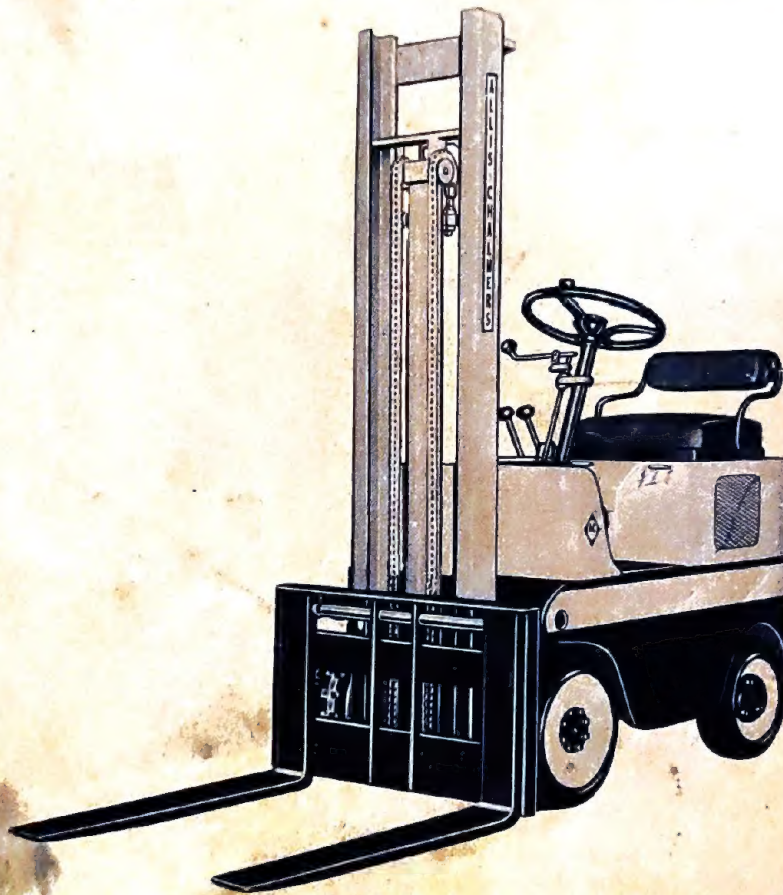


# **PARTS LIST**

## **FB, FBL 20 FPB, FPBL 20 FORK LIFT TRUCKS**



**ALLIS-CHALMERS MFG. CO.**  
**MILWAUKEE, WISCONSIN, U. S. A.**

LITHO. IN U.S.A.

FORM TPL-380



## IMPORTANT

All numbers shown in the extreme right hand column entitled "PACKAGE NUMBER" are listed numerically in the back of this catalog with the quantity and description of the various parts that make up the package.

The terms "right" and "left" used throughout this catalog are determined by facing the direction of forward travel.

Attaching parts such as bolts, nuts, rivets, screws, washers, etc., are indented immediately following the parts which they attach.

### ALWAYS GIVE THE TRUCK AND ENGINE SERIAL NUMBERS WHEN ORDERING PARTS.

The Fork Lift Truck model number and serial number are shown on the name plate attached to the instrument panel. The engine model and serial number will be found on the engine name plate attached to the side of the crankcase. We suggest your filling in these numbers in the space provided below for ready reference when ordering parts.

Lift Truck Model  
Lift Truck Serial number  
Engine Model  
Engine serial number  
Lift cylinder code number  
Tilt cylinder code number  
Control valve code number

FB 20  
0153349  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To obtain parts promptly, give part name and part number.

Lift cylinders, tilt cylinders, and control valves vary on units in service. When ordering these parts be sure to correctly identify the particular part used on your unit as explained in the listing under these parts.

Order parts from the dealer covering the local territory.

Always state post office address, town, county and state where parts are to be shipped. Also specify whether material is to be shipped by freight, express or parcel post.

Confirm all telephone or telegraph orders in writing.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned, at the customer's expense, to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company and not with Allis-Chalmers Manufacturing Company.

The right is reserved to change the construction or material of any parts where it seems desirable to do so, without incurring the obligation of installing such changes on trucks already delivered.

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## TRUCK MODELS

Several distinct models of the FB Fork Lift Truck are available and this Service Parts Catalog has been prepared to show the parts for each. All parts listed herein, which have no specific usage indicated, are applicable to all models. Those parts which are used only on specific models are so indicated.

The currently available models and their identifying symbols are indicated below. This symbol is shown on name plate attached to instrument panel.

### Description

FB-20-15

FB-20-24 0153349

FBL-20-15

FBL-20-24

FPB-20-15

FPB-20-24

FPBL-20-15

FPBL-20-24

## ALLIS-CHALMERS WARRANTY

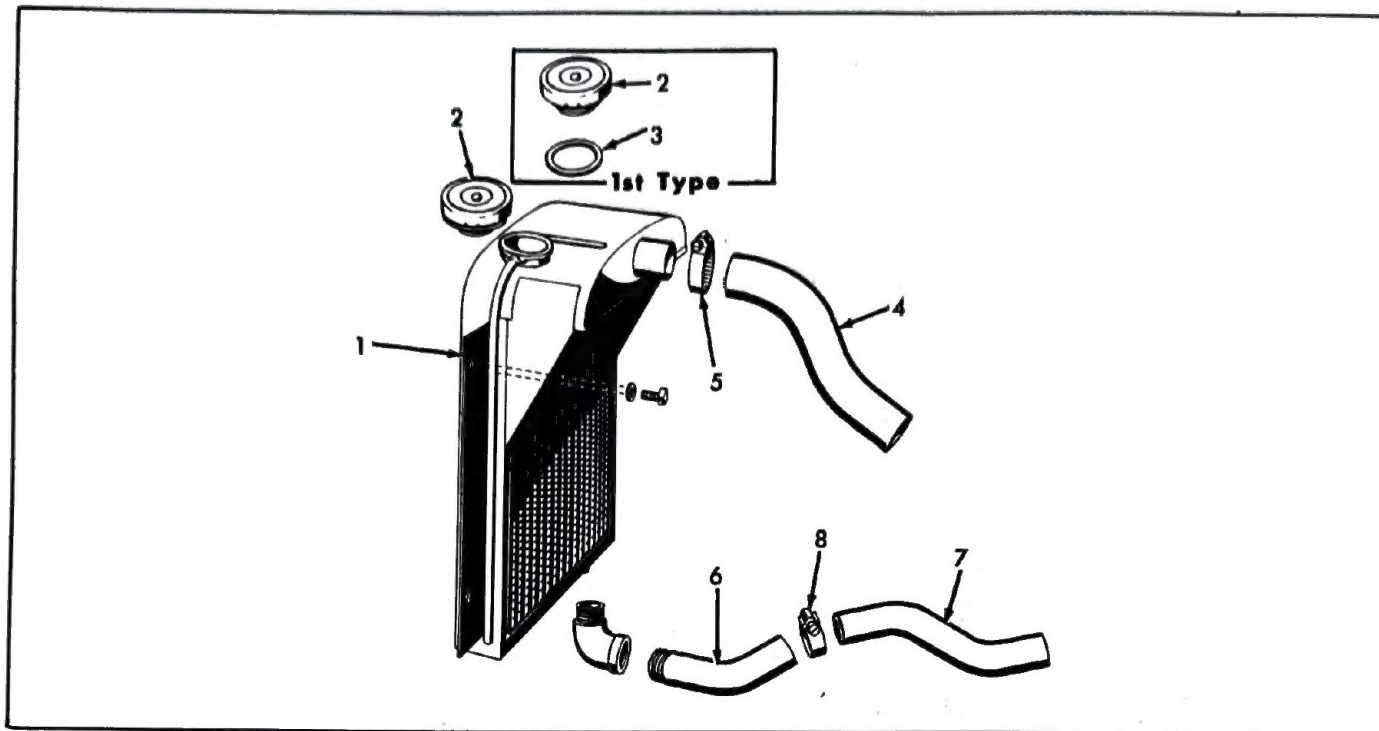
"ALLIS-CHALMERS MANUFACTURING COMPANY warrants that it will repair f.o.b. its factory, or furnish without charge f.o.b. its factory, a similar part to replace any material in its machinery which, within 90 days after the date of sale by the Dealer, or 720 hours of operation, whichever first occurs, is proven to the satisfaction of the Company to have been defective at the time it was sold, provided that all parts claimed defective shall be returned properly identified to the Company's factory, charges prepaid.

"This warranty is the only warranty, either express or implied, upon which said machinery is purchased. No other warranty has been made or exists either expressly, or by implication, all statutory and implied warranties being hereby expressly waived and excluded from this transaction, and the Company's liability in connection with this transaction is expressly limited to the repair or replacement of defective parts, all other damages, statutory or otherwise, being hereby expressly waived.

"This warranty applies only to new and unused machinery, which after shipment from the factory of the Company, has not been altered, changed, repaired or treated in any manner whatsoever. No warranty of any kind, statutory, implied, or otherwise, shall apply to trade accessories, attachments, tools, or implements not manufactured by the Company, or to second-hand machinery, or to new and unused machinery, which, after shipment from the factory of the Company, has been altered, changed, repaired, or treated in any manner whatsoever.

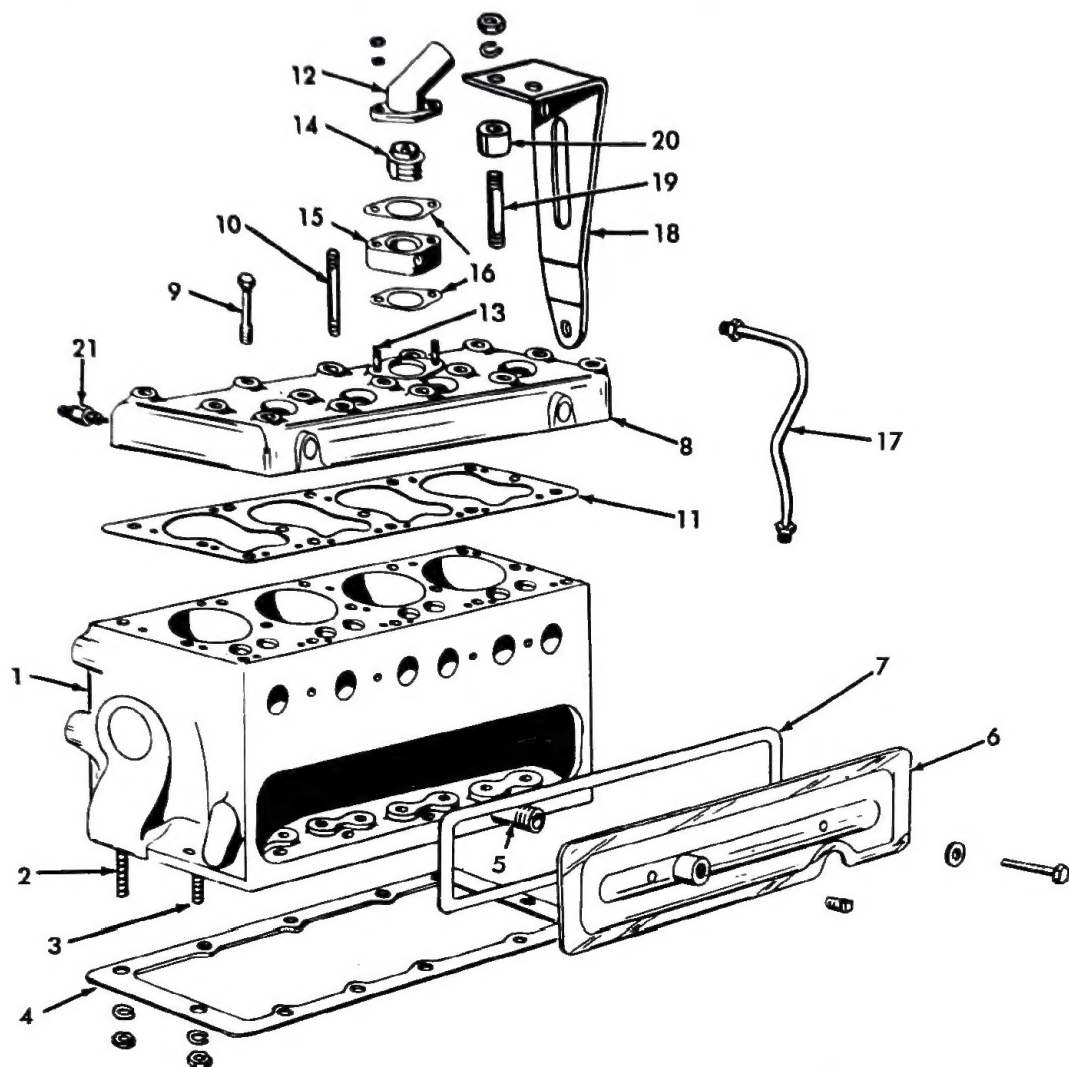
"No representative of the Company has authority to change this warranty or this contract in any manner whatsoever, and no attempt to repair or promise to repair or improve the machinery covered by this contract by any representative of the Company shall waive any consideration of the contract or change or extend this warranty in any manner whatsoever.

"Allied equipment not manufactured by the Company is covered only by the standard warranty of the manufacturer of such allied equipment."



### RADIATOR & CONNECTIONS

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4735237	1	RADIATOR (Incl. item 2)	
	903626	4	CAPSCREW (FB20-15, 20-24, FPB20-24)	
	905268	4	CAPSCREW (FPB-FPBL15-15)	
	905664	4	CAPSCREW (FPB-FPBL20-15)	
	910335	4	WASHER	
	904205	4	LOCKWASHER	
	4736310	4	SPACER (FPB-FPBL15-15)	
	4709111	4	SPACER (FPB-FPBL20-15)	
2	{ -----	1	CAP, radiator (1st type, w/separate gasket) (Order 2nd type)	
	{ 4981006	1	CAP, radiator (2nd type, pressure)	
3	4981001	1	GASKET, cap (f/1st type only)	
4	4735491	1	HOSE, radiator inlet	
5	4734217	2	CLAMP, hose	
6	4735900	1	PIPE, outlet	
	901725	1	ELBOW (to radiator)	
7	4735492	1	HOSE, radiator outlet	
8	4734216	2	CLAMP, hose	



# CYLINDER BLOCK, CYLINDER HEAD & CONNECTIONS

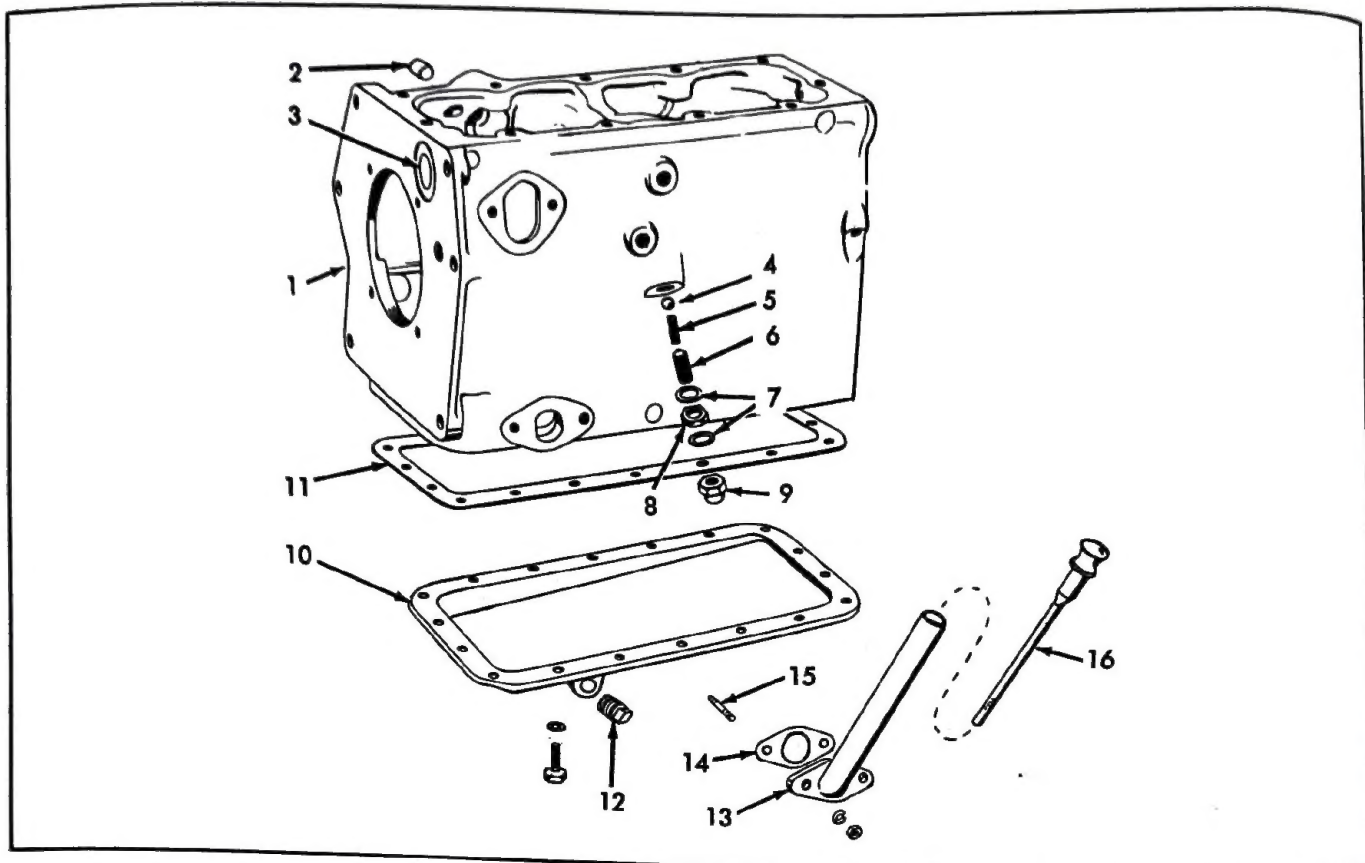
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4735620	1	ENGINE ASSY (See Note) (Prior to Truck Serial No. 12476000)	
-	4703470	1	ENGINE ASSY, (See Note) (Eff. Truck 12476000 & up)	
1	4984843	1	BLOCK, cylinder (Incl. VALVE GUIDES, INSERTS & PLUGS)	
	910006	3	PLUG, expansion	
2	4984850	7	STUD, block to crankcase (long)	
	904206	7	LOCKWASHER	
	910123	7	NUT	
3	4984862	4	STUD, block to crankcase (short)	
	904206	4	LOCKWASHER	
	910123	4	NUT	
4	4984727	1	GASKET, base . . . . .	4983972
5	4984769	1	PIPE, water inlet	

Continued

## CYLINDER BLOCK, CYLINDER HEAD &amp; CONNECTIONS (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
6	4984841	1	DOOR, valve	
	4984771	1	PLUG, valve door	
	913299	2	CAPSCREW	
	4984863	2	WASHER . . . . .	4983972
7	4984728	1	GASKET, valve door . . . . .	4983972
8	4984823	1	HEAD ASSY., cylinder	
9	4984725	12	CAPSCREW, cylinder head	
10	4985043	1	STUD, oil filler clamp (Prior to Engine #991141)	
	4991193	1	STUD, oil filler clamp (Eff. Engine #991141 & up)	
11	4984822	1	GASKET, cylinder head . . . . .	4983972
12	4984749	1	MANIFOLD, water	
13	4984758	2	STUD	
	910233	2	NUT	
	904205	2	LOCKWASHER	
14	4981164	1	THERMOSTAT	
15	4984745	1	HOUSING, thermostat	
16	4984746	2	GASKET, thermostat housing . . . . .	4983972
17	4984889	1	LINE, bypass	
18	4984826	1	BRACKET, fan	
	912182	1	CAPSCREW	
	910880	1	NUT	
	904204	1	LOCKWASHER	
19	4984856	2	STUD, fan bracket	
	910123	2	NUT	
	904206	2	LOCKWASHER	
20	4984875	2	SPACER, bracket	
21	4736937	1	SENDER, water temperature	





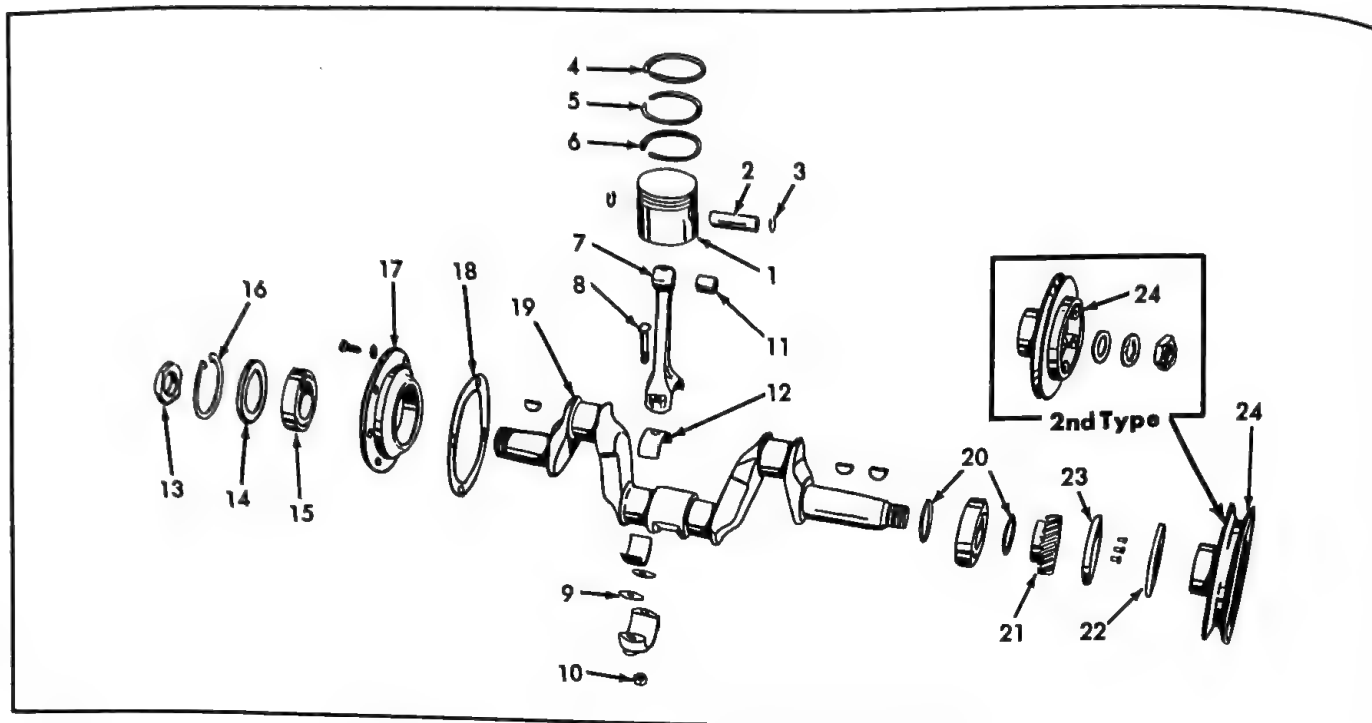
### CRANKCASE & OIL PAN

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4984847	1	CRANKCASE ASSY., (Incl. CAMSHAFT BUSHINGS & PINS & PLUGS)	
	4984771	1	PLUG, pipe, slotted hd.	
	4984772	1	PLUG, pipe, sq-hd.	
	4984852	1	PLUG, expansion	
2	4984724	1	BUSHING, distributor drive shaft	
3	4984855	1	PLUG, expansion (Camshaft, rear)	
4	4984867	1	BALL, relief valve	
5	4984884	1	SPRING, relief valve	
6	4984766	1	SCREW, adjusting	
7	4984858	2	GASKET, relief valve . . . . .	4983972
8	4984767	1	NUT, lock	
9	4984768	1	NUT, acorn	
10	4984786	1	PAN, oil	
	905655	18	CAPSCREW	
	904204	18	LOCKWASHER	
11	4983998	1	GASKET, oil pan . . . . .	4983972
12	4984779	1	PLUG, drain (Magnetic)	

Continued

# CRANKCASE & OIL PAN (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
13	4735355	1	TUBE, oil gauge	
14	4983999	1	GASKET, gauge tube . . . . .	4983972
15	4984887	2	STUD, oil gauge tube	
	910233	2	NUT	
	904205	2	LOCKWASHER	
16	4735356	1	GAUGE, oil level	



### CRANKSHAFT, PISTON & CONNECTING ROD

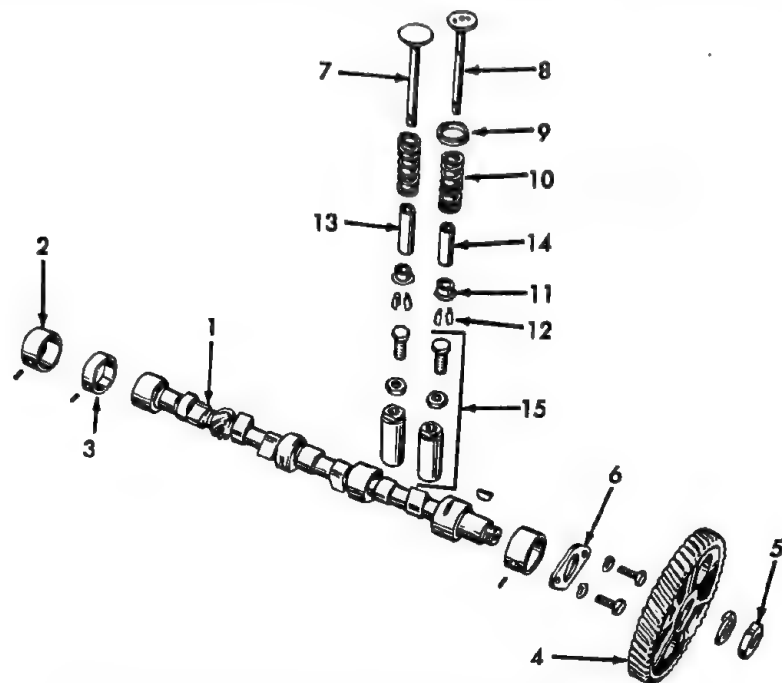
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4984844	4	PISTON ASSY (Std) (Incl. items 2 & 3) (Used prior to Eng. #1036060)	
	4984848	4	PISTON ASSY (.010)	
	4991195	4	PISTON ASSY, (Std. (Incl. items 2 & 3) (Eff. with Engine #1036060 & up)	
2	4984806	4	PIN, piston (std)	
	4984807	4	PIN, piston (.005)	
3	4984791	8	RETAINER, piston pin	
4	4984833	4	RING, piston (top) (std)	
5	4984832	4	RING, piston (center) (std)	
6	4984834	4	RING, piston (bottom) (std)	
7	4984846	4	ROD ASSY., conn. (Incl. items 8 thru 11)	
8	4983988	8	BOLT, conn. rod	
9	4983989	8	SHIM	
10	4984773	8	NUT (Used prior to Eng. #991141)	
	905340	8	NUT, bolt (Eff. Eng. Serial #91141 & up)	
	900800	8	PIN, cotter	
11	4984782	4	BUSHING, conn. rod	

Continued



# CRANKSHAFT, PISTON & CONNECTING ROD (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
12	4984808	8	BEARING, conn. rod (std)	
	4984809	8	BEARING, conn. rod (.010)	
	4984810	8	BEARING, conn. rod (.020)	
	4984811	8	BEARING, conn. rod (.030)	
	4991015	8	BEARING, conn. rod (.040)	
13	4984723	1	NUT, flywheel	
	4983983	1	SETSCREW	
14	4254235	1	OIL SEAL, front (Prior Eng. #909163)	
	4254228	1	OIL SEAL, front (Eff. Eng. #909163 & up)	
15	4253800	2	BEARING, main, crankshaft (front & rear)	
16	4984763	1	RING, retaining	
	4991194	*	SHIM (Use as required)	
17	4983992	1	RETAINER, front main bearing	
	903771	4	CAPSCREW	
	4988788	4	WASHER, copper	
18	4984735	1	GASKET, bearing retainer . . . . .	4983972
19	4984812	1	CRANKSHAFT	
20	4984736	2	COLLAR, bearing	
21	4984785	1	GEAR, crankshaft	
	905123	1	KEY	
22	4983994	1	THROWER, oil	
	900551	3	SCREW	
23	4254227	1	OIL SEAL, rear	
24	4984805	1	PULLEY, fan drive (1st type, used w/Sprocket & chain type hyd. pump coupling)	
	905126	1	KEY	
	4710813	1	PULLEY, fan drive (2nd type, used w/gear type hyd. pump coupling)	
	4710886	1	NUT	
	4710887	1	WASHER	
	901302	1	LOCKWASHER	



### CAMSHAFT, GEAR & VALVES

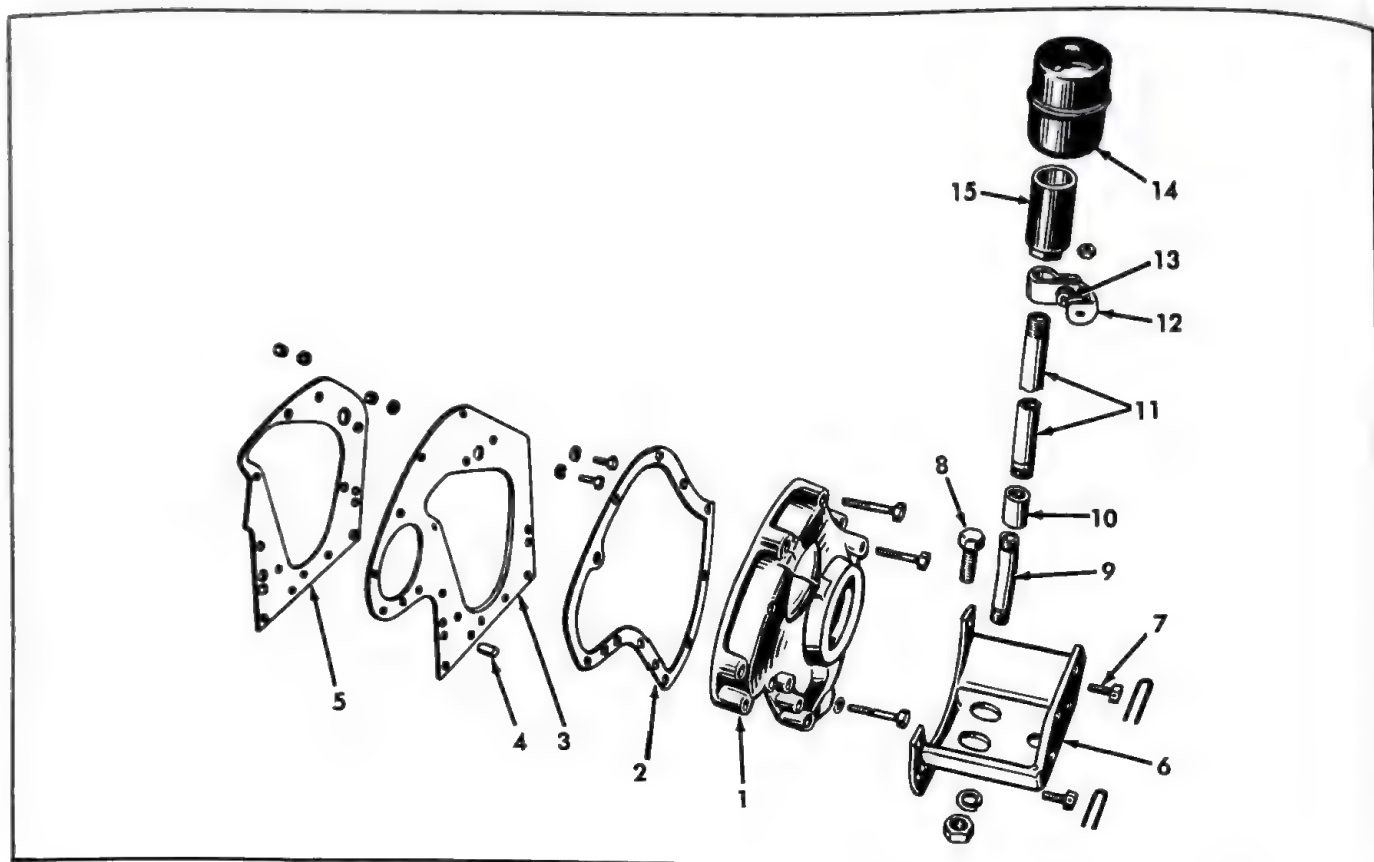
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4984813	1	CAMSHAFT	
2	4984789	2	BUSHING, camshaft (front & rear)	
	4984762	2	PIN	
3	4984796	1	BUSHING, camshaft (center)	
	4984762	1	PIN	
4	4984788	1	GEAR, camshaft	
5	4984864	1	NUT	
	904209	1	LOCKWASHER	
	910224	1	KEY	
6	4983993	1	PLATE, thrust	
	903625	2	CAPSCREW	
	904204	1	LOCKWASHER	
	906958	1	LOCKWASHER, shakeproof	
7	4984793	4	VALVE, intake	
8	4985064	4	VALVE, exhaust	
9	4984765	4	INSERT, exhaust valve	
10	4984792	8	SPRING, valve	
11	4983990	8	RETAINER, spring	
12	4984881	16	CLIP, retainer	

Continued

## CAMSHAFT, GEAR &amp; VALVES (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
13	4984783	4	GUIDE, valve (intake)	
14	4984784	4	GUIDE, valve (exhaust)	
15	4984842	8	LIFTER ASSY., valve (Incl. SCREW & NUT) (Prior to Eng. #960305)	
	4984743	8	SCREW, adjusting	
	4984744	8	NUT, lock	
	4991181	8	LIFTER ASSY., valve (Incl. SCREW) (Eff. Eng. #960305 & up)	
	4991182	8	SCREW, adjusting	





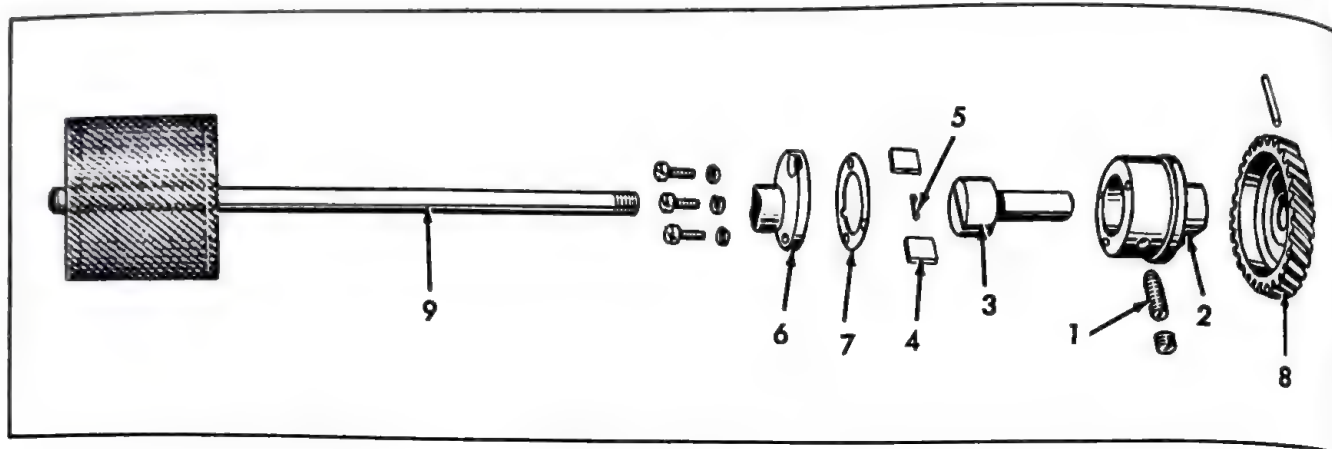
GEAR COVER, ENGINE SUPPORT, and OIL FILLER

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4984795	1	COVER, gear	
	905818	8	CAPSCREW	
	910880	2	NUT	
	904204	8	LOCKWASHER	
2	4984720	1	GASKET, gear cover . . . . .	4983972
3	4984798	1	PLATE, adapter	
	903625	2	CAPSCREW	
	904204	2	LOCKWASHER	
4	4984861	2	PIN, dowel	
5	4984721	1	GASKET, plate (adapter) . . . . .	4983972
6	4735493	1	BRACKET, support (engine)	
7	4711591	4	CAPSCREW (to engine)	
	4804868	1	LOCKWIRE	
8	903641	2	CAPSCREW (to frame)	
	910325	2	NUT	
	904208	2	LOCKWASHER	
	4735503	4	SPACER, bracket (to frame)	
9	4712860	1	PIPE, oil filler (lower)	
10	901765	1	COUPLING, pipe	

Continued

GEAR COVER, ENGINE SUPPORT, and OIL FILLER (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
11	4712854	1	PIPE, oil filler (upper)	
12	4984835	1	CLAMP, pipe (oil filler)	
13	4985043	1	STUD, clamp	(Prior to Engine Serial No. 991141)
	910324	1	NUT, stud	
	4991193	1	STUD, clamp	(Eff. w/Engine Serial No. 991141 and up)
	910123	1	NUT,stud	
14	4984877	1	CAP, breather	
15	4984893	1	ADAPTER, cap	



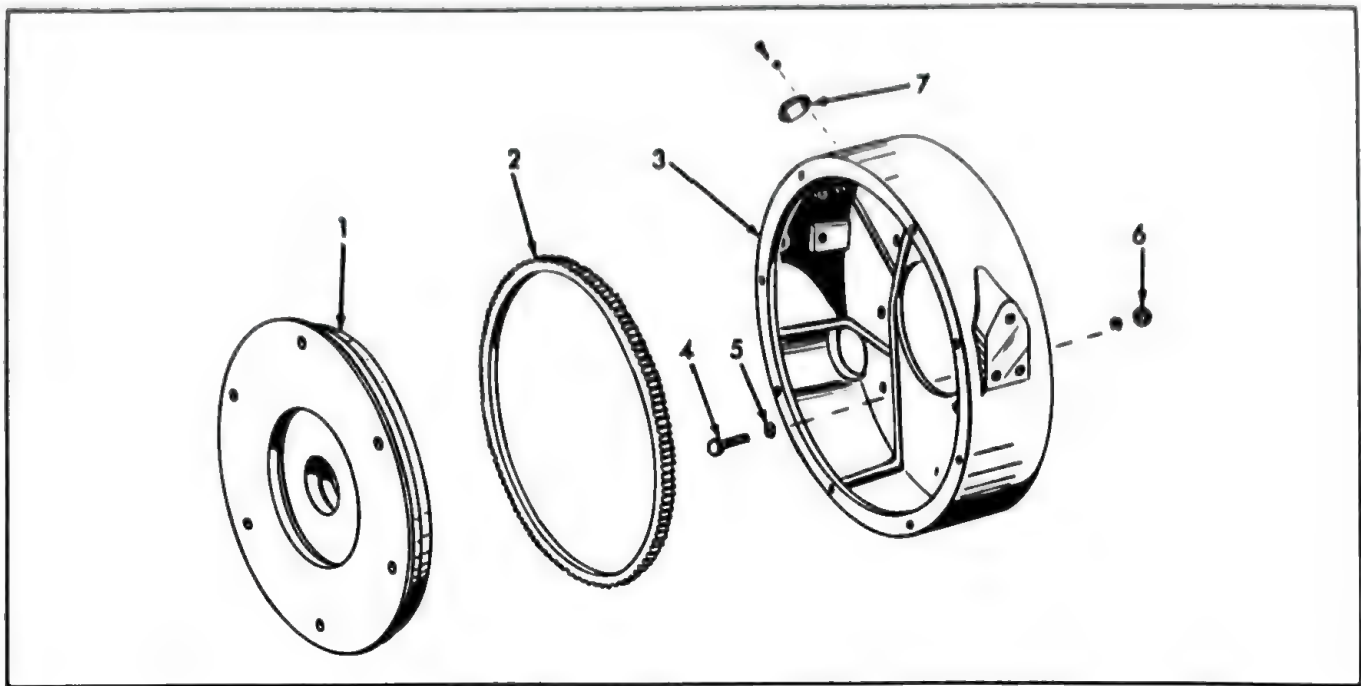
# OIL PUMP

\*1st Type - Prior to Engine Serial No. 1036060

\*\* 2nd Type - Eff. w/Engine Serial No. 1036060

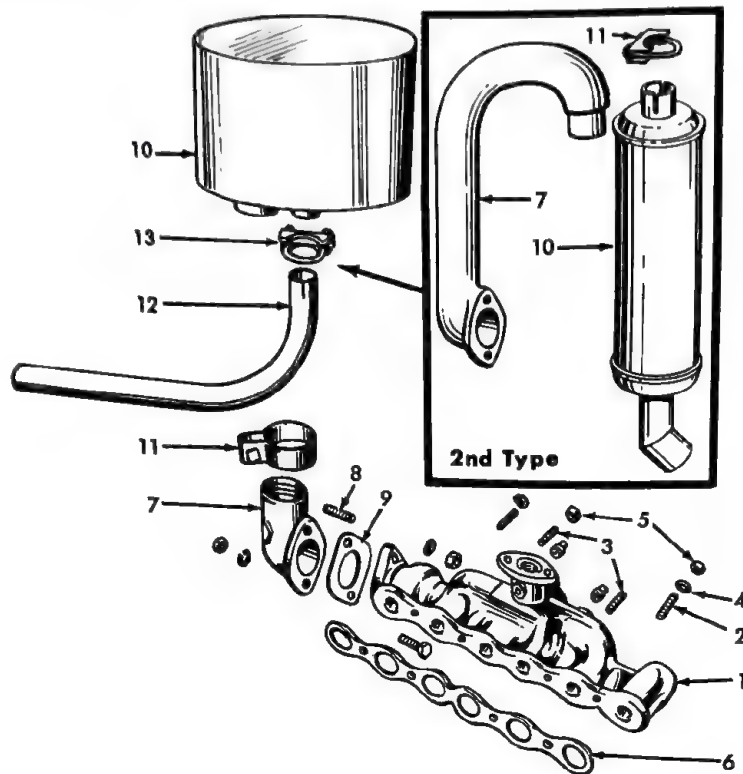
ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
-	-----	1	-	PUMP ASSY, oil (Incl. items 2 thru 7) (Order Part No. 4991196 as replacement)	
	4991196	-	1	PUMP ASSY., oil (Incl. items 2 thru 7)	
1	4984756	1	1	SETSCREW	
	4984866	1	1	LOCKWASHER, setscrew	
2	4984801	1	-	BODY, pump	
	4991199	-	1	BODY, pump	
3	4984804	1	-	ROTOR, pump	
	4991200	-	1	ROTOR, pump	
4	4984732	2	2	BLADE, rotor	
5	4984733	1	1	SPRING, blade	
	4984802	1	-	COVER, pump	
	901781	3	-	SCREW	
	904203	3	-	LOCKWASHER	
6	4991197	-	1	COVER, pump	
	4991198	-	1	SCREW, flat head	
	900558	-	2	SCREW, round head	
	904203	-	3	LOCKWASHER	
7	4984734	1	-	GASKET, cover (Used prior to Engine Serial No. 909168, only). . . . .	4983972
8	4984797	1	1	GEAR, drive	
	4984883	1	1	PIN, retaining (gear)	
9	4984775	1	1	OIL PIPE AND SCREEN	
-	4991201	-	1	BOSS, pump (Not illustrated)	





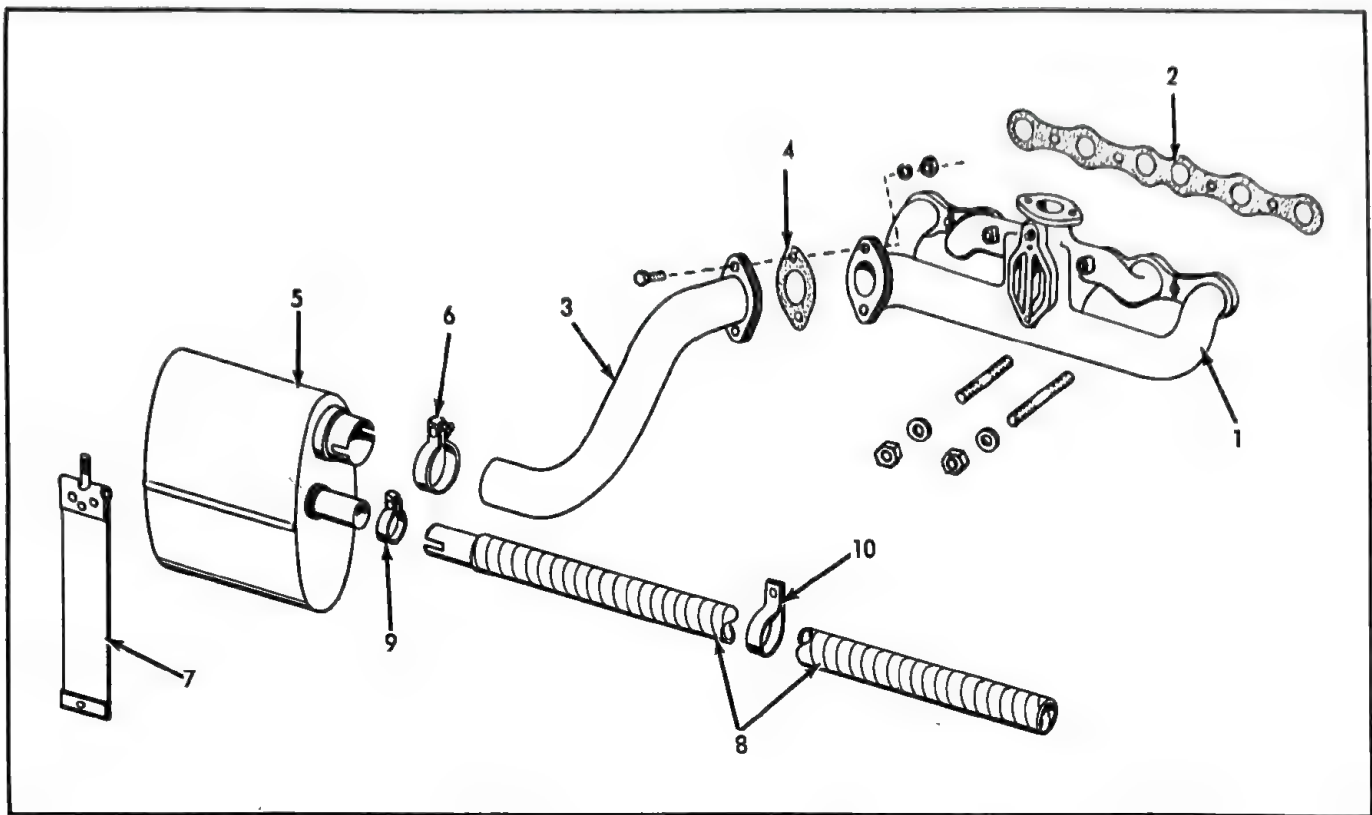
### FLYWHEEL AND HOUSING

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4984837	1	FLYWHEEL, w/Ring Gear (Incl. item 2) (Prior to Engine Serial No. 909163)	
	4984838	1	FLYWHEEL, w/Ring Gear (Incl. item 2) (Eff. Engine Serial No. 909163 and up)	
	905126	1	KEY	
2	4984873	1	GEAR, ring	
3	4984831	1	HOUSING, flywheel	
4	4984726	6	CAPSCREW	
5	4991179	12	WASHER	
6	4984860	6	NUT, castellated	
	900801	6	PIN, cotter	
7	4991180	1	COVER, timing hole	
	900574	2	SCREW (round head)	
	904204	2	LOCKWASHER	



MANIFOLD & MUFFLER  
(Standard) (Models FB-FPB20)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4984794	1	MANIFOLD, exhaust & intake	
	4984772	2	PLUG, pipe	
2	4984880	2	STUD (long)	
3	4984857	2	STUD (short)	
4	4984882	2	WASHER	
5	4984853	4	NUT	
6	4983997	1	GASKET, manifold . . . . .	4983972
7	4735516	1	PIPE, exhaust (1st type)	
	4715377	1	PIPE, exhaust (2nd type)	
8	917125	1	CAPSCREW	
	4363535	1	STUD	
	917252	2	NUT	
	904206	2	LOCKWASHER	
9	4736604	1	GASKET, exhaust pipe	
10	4735525	1	MUFFLER (1st type)	
	4709922	1	MUFFLER (2nd type)	
11	4723920	1	CLAMP (1st type)	
	4710164	1	CLAMP (2nd type)	
12	4709929	1	PIPE, tail (2nd type only)	
13	4747528	1	CLAMP	



MANIFOLD AND MUFFLER  
Models FBL and FPBL

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4701140	1	MANIFOLD, exhaust and intake	
	4984880	2	STUD, manifold (long)	
	4984857	2	STUD, manifold (short)	
	4984882	2	WASHER, stud	
	4984853	4	NUT, stud	
2	4983997	1	GASKET, manifold	
3	4701018	1	PIPE, exhaust	
	903629	2	CAPSCREW	
	904206	2	LOCKWASHER	
4	4736604	1	GASKET, exhaust pipe (to manifold flange)	
5	4709922	1	MUFFLER	
6	4710164	1	CLAMP, (to exhaust pipe)	
7	4701021	1	STRAP, muffler support	
	903629	1	CAPSCREW	
	911115	2	WASHER	
	904206	1	LOCKWASHER	
	910324	1	NUT	
	915891	1	LOCKNUT	

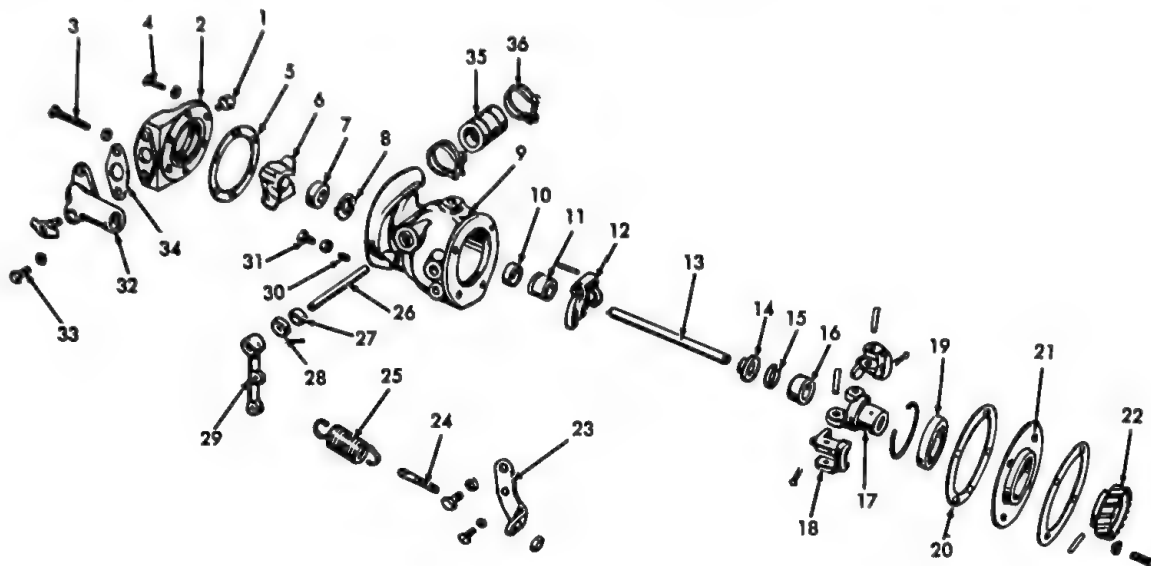
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MANIFOLD AND MUFFLER (Cont'd)  
Models FBL and FPBL

ITEM	PART NUMBER	QTY.	DESCRIPTION
8	4701066	1	PIPE, tail
9	4747528	1	CLAMP (tail pipe to muffler)
10	4716088	1	CLAMP, tail pipe (to frame)

ASSEMBLY OR  
PACKAGE NO.



### WATER PUMP AND GOVERNOR

\* Use prior to Engine Serial No. 950321

\*\* Eff. w/Engine Serial No. 950321

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
-	-----	1	-	WATER PUMP & GOVERNOR (Incl. items 2 thru 31) (Order Part No. 4991167 as replacement)	
	4991167	-	1	WATER PUMP & GOVERNOR (Incl. items 2 thru 31)	
	903625	5	5	CAPSCREW, mounting	
	904204	5	5	LOCKWASHER	
	4983996	1	1	GASKET, mounting . . . . .	4983972
1	4984874	1	1	CONNECTOR, by-pass line (thermostat)	
2	4984829	1	1	COVER, water pump	
3	905659	2	2	CAPSCREW	
	4300233	1	1	WASHER, copper	
	904204	1	1	LOCKWASHER	
4	903625	4	4	CAPSCREW	
	904204	4	4	LOCKWASHER	
5	4983995	1	1	GASKET, cover . . . . .	4983972
6	4984818	1	-	IMPELLER, water	
	4991089	-	1	IMPELLER, water	
7	4984754	1	-	SEAL, outer	
	4991087	-	1	SEAL, outer	
8	4984755	1	-	WASHER, thrust	
	4991166	-	1	WASHER, thrust	
9	4984828	1	-	BODY, water pump	
	4991168	-	1	BODY, water pump	

Continued

**WATER PUMP AND GOVERNOR (Cont'd)**  
 \* Use prior to Engine Serial No. 950321  
 \*\*Eff. w/Engine Serial No. 950321

ITEM	PART NUMBER	QTY. *    **		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
10	4984752	1	-	SEAL, inner	
	4991090	-	1	SEAL, inner	
	4991163	-	1	"O" RING, inner seal	
11	4984820	1	1	BUSHING, shaft	
12	4984830	1	1	SHIFTER, weight (Governor)	
	914494	1	1	PIN, shifter	
13	4984799	1	-	SHAFT, drive (W.P. & governor)	
	4991088	-	1	SHAFT, drive (W.P. & governor)	
14	4984777	1	1	BEARING HALF, shifter	
15	4984730	1	1	CAGE, shifter, bearing	
16	4984760	1	1	BEARING END, shifter	
17	4984776	1	1	CARRIER ASSY., weight (Incl. CARRIER, WEIGHT, PIN and COTTER PIN)	
	4984757	1	1	CARRIER, weight	
18	4984761	2	2	WEIGHT, governor	
	4984753	2	2	PIN, weight	
	900800	2	2	PIN, cotter	
19	4984878	1	1	BEARING, carrier	
	4984876	1	1	RING, retainer	
20	4983996	2	2	GASKET, housing (governor)	
21	4984731	1	1	SPACER, housing	
22	4984821	1	1	GEAR, drive	
	4984865	1	1	PIN, gear	
23	4984759	1	1	BRACKET, adjusting screw (spring)	
	905661	1	1	CAPSCREW, mounting	
	904205	1	1	LOCKWASHER	
	901781	1	1	SCREW	
	904203	1	1	LOCKWASHER	
24	4984869	1	1	SCREW, adjusting (spring)	
	4984870	1	1	NUT	
25	4984836	1	1	SPRING, governor	
26	4984729	1	1	SHAFT, shifter	
27	4984871	1	1	WASHER, cork (shaft) . . . . .	4983972
28	4984872	1	1	RETAINER, washer	
29	4984781	1	1	LEVER, governor	
	901357	1	1	PIN, lever	
30	4984868	1	1	SPRING, bumper	

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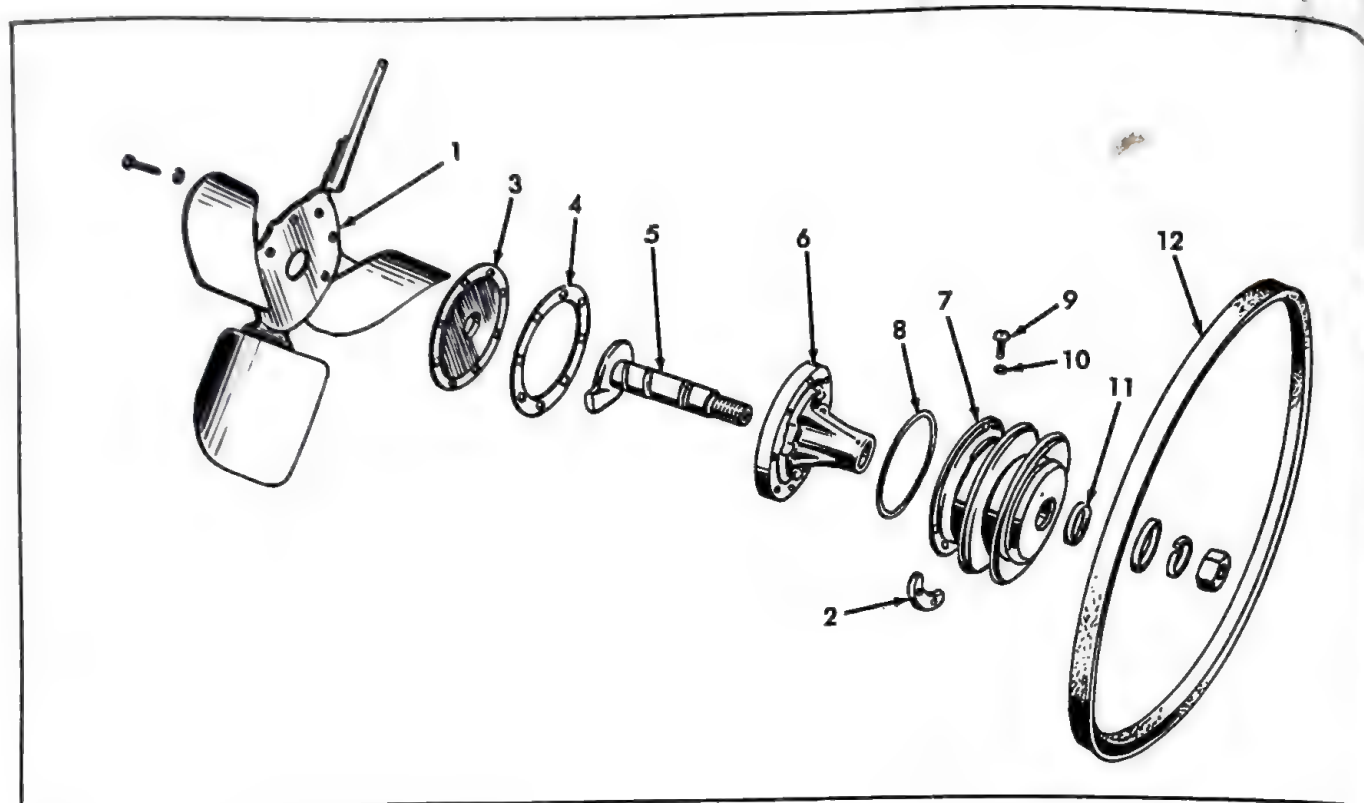
# WATER PUMP AND GOVERNOR (Cont'd)

\* Use prior to Engine Serial No. 950321

\*\* Eff. w/Engine Serial No. 950321

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
31	4984774	1	1	SCREW, spring (bumper)	
	910233	1	1	NUT, check	
32	4984819	1	1	ELBOW, inlet (water)	
	903625	2	2	CAPSCREW	
	904204	2	2	LOCKWASHER	
33	4984879	1	1	COCK, drain	
34	4984751	1	1	GASKET, inlet pipe . . . . .	4983972
35	4660250	1	1	HOSE, water (to engine)	
36	4734216	2	2	CLAMP, hose	





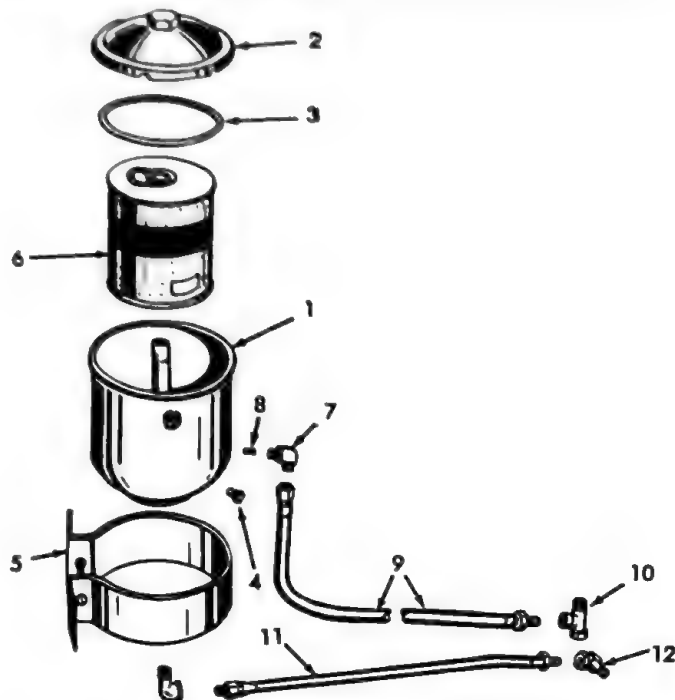
### FAN AND FAN BELT

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4734123	1	FAN ASSY., (Incl. items 1 thru 7 and 8 thru 11) (Prior to Serial No. 12476000)	
-	4700830	1	FAN ASSY., (Incl. items 1 thru 7 and 8 thru 11) (Eff. Serial No. 12476000 and up)	
1	4984238	1	BLADE, fan	
	4984245	8	CAPSCREW	
	906965	8	LOCKWASHER	
2	4984246	4	NUT, double	
3	4984243	1	SPACER, fan blade	
4	4984244	1	GASKET, spacer	
5	4984240	1	SPINDLE, hub	
6	4984241	1	BEARING, hub	
7	4984239	1	HUB, fan (Prior to Serial No. 12476000)	
	4991176	1	HUB, fan (Eff. Serial No. 12476000 and up)	
	910345	1	NUT	
	911100	1	WASHER	
	904209	1	LOCKWASHER	
8	4984242	1	GASKET, hub	
9	4984247	1	PLUG, oil	

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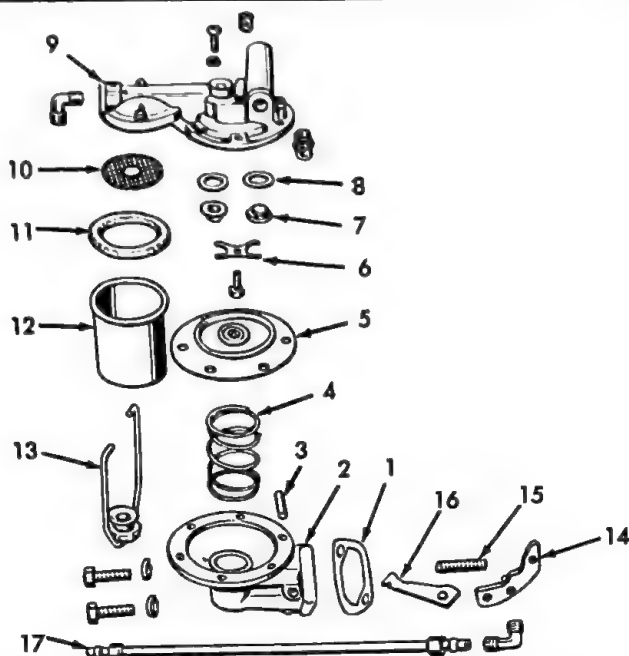
# FAN AND FAN BELT (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
10	4984248	1	GASKET, oil plug	
11	4984249	1	WASHER, spacer	
12	{ 4014631	1	BELT, fan and generator (Prior to Serial No. 12476000)	
	{ 4707731	1	BELT, fan and generator (Eff. Serial No. 12476000 and up)	



**OIL FILTER and OIL LINES**  
(Models FB & FPB)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4734248	1	FILTER ASSY., oil (Incl. items 1 thru 6)	
	903625	4	CAPSCREW	
	900816	4	WASHER	
	904204	4	LOCKWASHER	
1	4984232	1	CASE, filter	
2	4984233	1	COVER, filter	
3	4984234	1	GASKET, cover	
4	4984235	1	PLUG, drain	
5	4984236	1	BRACKET ASSY., mounting (Incl. next 3 items)	
	903756	1	BOLT, bracket	
	912660	1	NUT, square	
	904206	1	LOCKWASHER	
6	4984237	1	ELEMENT, filter	
7	4736149	1	ELBOW, restrictor (Incl. item 8)	
8	4984764	1	RESTRICTOR	
9	4735766	1	LINE, oil, long	
10	4735770	1	TEE, oil pressure sender	
11	4351403	1	LINE, oil, short	
	917013	1	ELBOW, street (filter end)	
12	4252646	1	UNION, oil line (To crankcase)	



FUEL PUMP & CONNECTIONS  
(Models FB & FPB20)

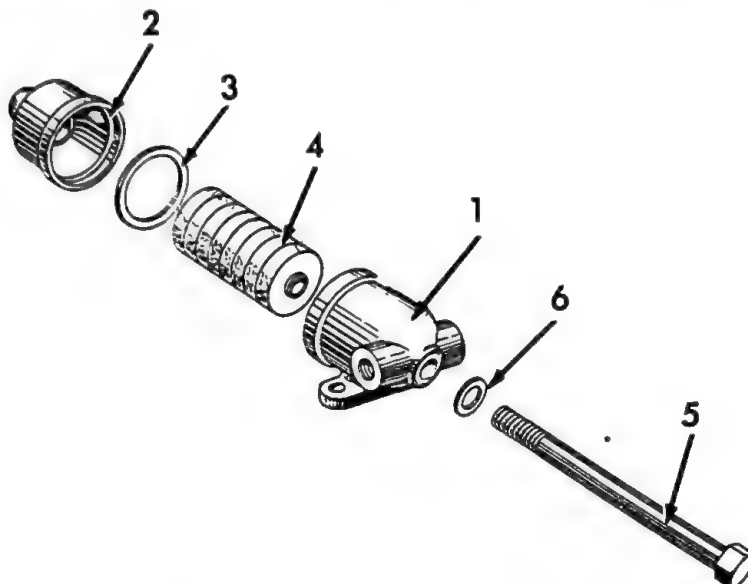
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4735724	1	PUMP ASSY., fuel (Incl. items 2 thru 16)	
	903636	2	CAPSCREW	
	904205	2	LOCKWASHER	
	911017	1	ELBOW, fuel lines (tank to pump)	
1	4734142	1	GASKET, fuel pump . . . . .	4044095 4983972
2	4050902	1	BODY, pump	
3	4044105	1	PIN, rocker arm. . . . .	4044095
	4040567	1	WASHER, pin . . . . .	4044095
4	4042321	1	SPRING, diaphragm and pull rod . . . . .	4044095
5	4044203	1	DIAPHRAGM (Incl. PULL ROD) . . . . .	4044095
6	4047258	1	PLATE, valve and cage retainer	
	4047228	1	SCREW, retainer plate	
7	4044075	2	GASKET, valve and cage . . . . .	4044095
8	4044094	2	VALVE ASSY., pump (Incl. CAGE). . . . .	4044095
9	4047292	1	COVER, pump	
	4040578	6	SCREW	
	4040579	6	LOCKWASHER	
	901651	1	PLUG, pipe	
10	4040559	1	SCREEN, fuel . . . . .	4044095
11	4047296	1	GASKET, bowl . . . . .	4044095

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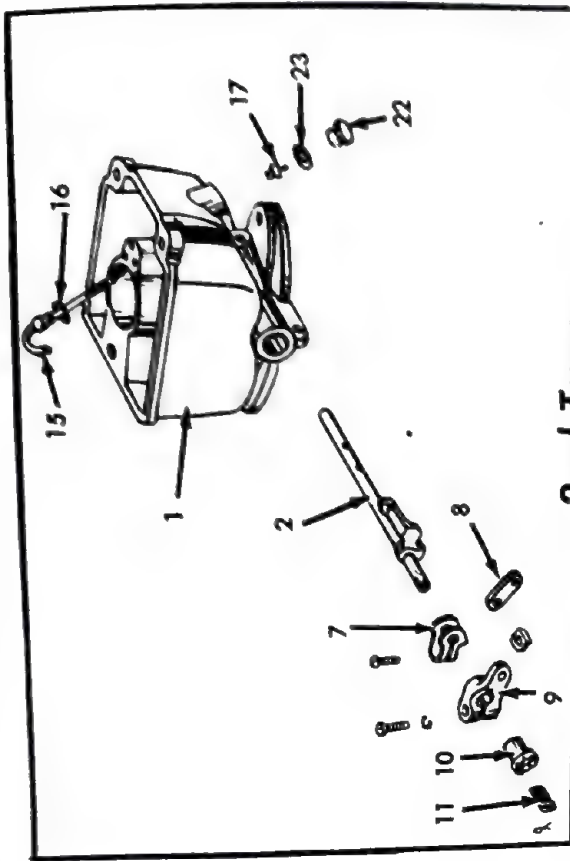
**FUEL PUMP & CONNECTIONS (Cont'd)**  
**(Models FB & FPB20)**

<b>ITEM</b>	<b>PART NUMBER</b>	<b>QTY.</b>	<b>DESCRIPTION</b>	<b>ASSEMBLY OR PACKAGE NO.</b>
12	4042289	1	BOWL, fuel pump	
13	4040562	1	BAIL, fuel pump	
14	4044082	1	ARM, rocker	
15	4042319	1	SPRING, rocker . . . . .	4044095
16	4042315	1	LINK, rocker arm . . . . .	4044095
17	4735808	1	LINE ASSY., fuel (to carburetor)	
	914626	1	CONNECTOR (pump end)	
	911017	1	ELBOW (carburetor end)	

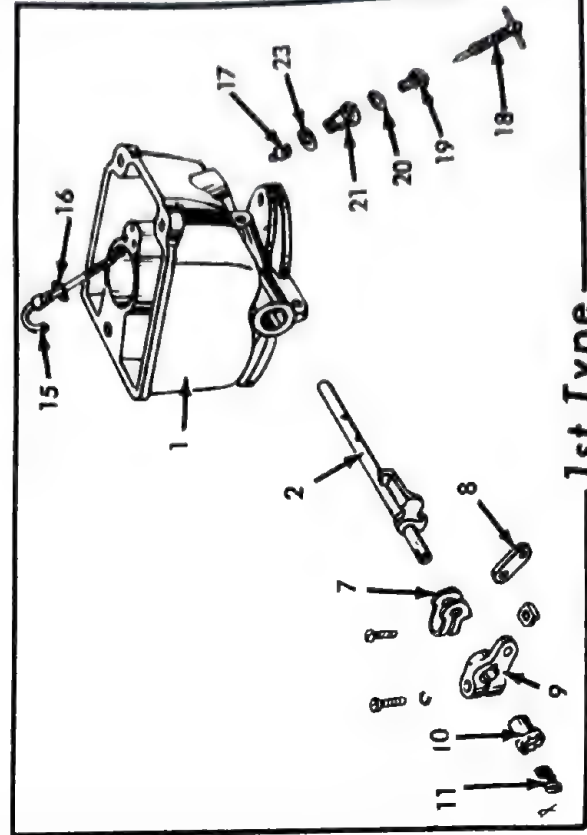


**FUEL FILTER**  
Models FBL-FPBL20

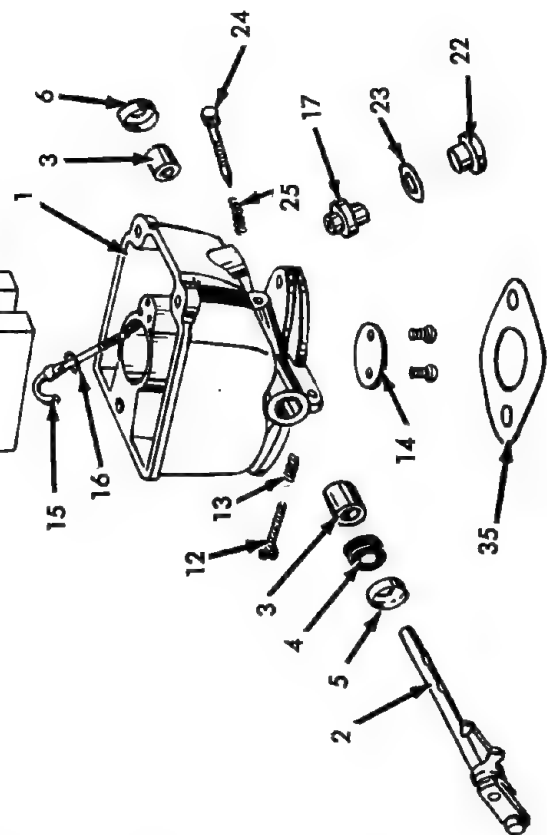
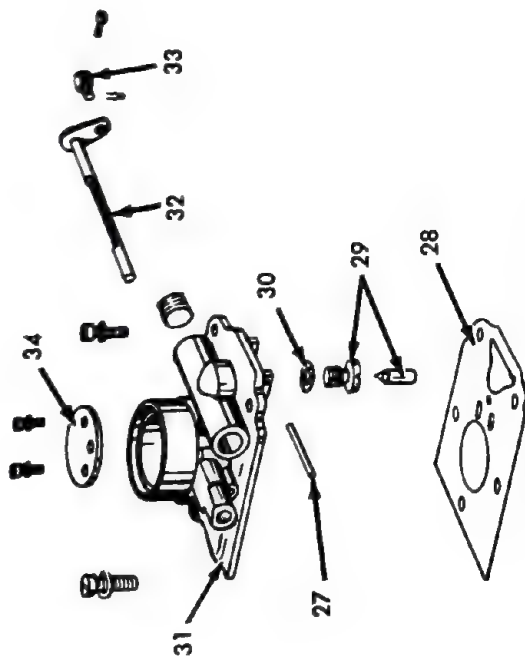
ITEM	PART NUMBER	QTY,	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4700820	1	FILTER ASSY., fuel (Incl. items 1 thru 6)	
	903772	2	CAPSCREW (to bracket)	
	910335	2	WASHER	
	910323	2	NUT	
	904205	2	LOCKWASHER	
1	4046784	1	BASE, filter	
2	4046783	1	COVER, top	
3	4046781	1	GASKET, body	
4	4046782	1	ELEMENT, filter	
5	4046779	1	CAPSCREW, cover	
6	4046780	1	GASKET, cover capscREW	



2nd Type



1st Type



3rd Type

# CARBURETOR

\* 1st Type  
\*\* 2nd Type  
\*\*\* 3rd Type

ITEM	PART NUMBER	* QTY.	**	***	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
	-----	1	-	-	CARBURETOR ASSY. (Incl. items 1, 2 and 7 thru 34) (Order No. 4711983)	
	-----	-	1	-	CARBURETOR ASSY., (Incl. items 1, 2 and 7 thru 17 and 22 thru 34) (Order No. 4711983)	
	4711983	-	-	1	CARBURETOR ASSY., (Incl. items 1 and 2 thru 6, 12 thru 17, and 22 thru 34)	
	903625	2	2	2	CAPSCREW	
	904204	2	2	2	LOCKWASHER	
	4045413	1	-	-	BODY, carburetor	
1	4051053	-	1	-	BODY, carburetor	
	4045414	-	-	1	BODY, carburetor	
	4045416	1	1	-	SHAFT ASSY., throttle (Incl. item 7 and SCREW and NUT)	4045457, 4045458
2	4045717	-	-	1	SHAFT ASSY., throttle (Incl. LEVER)	4045459
3	4045444	-	-	2	BUSHING, throttle shaft	4045459
4	4045437	-	-	1	PACKING, throttle shaft	4045459
5	4045442	-	-	1	RETAINER, packing	4045459
6	4045441	-	-	1	CUP, throttle shaft	
7	4045448	1	1	-	CLEVIS, throttle lever	
	901173	1	1	-	SCREW, clevis	
	917416	1	1	-	NUT	
8	4045415	1	1	-	LEVER, throttle	
	4045450	1	1	-	LEVER ASSY., governor (Incl. LEVER, SCREW & LOCKWASHER)	
9	4045449	1	1	-	LEVER, governor	
	917074	1	1	-	SCREW	
	904203	1	1	-	LOCKWASHER	
10	4045443	1	1	-	BUSHING, governor lever	
11	4045425	1	1	-	SPRING, lever tension	4045457, 4045458
	4045445	1	1	-	PIN, cotter (tension spring)	
12	4045419	1	1	1	SCREW, adjusting (throttle stop)	
13	4045426	1	1	1	SPRING, adjusting screw	
14	4045418	1	1	1	BUTTERFLY, throttle	4045457, 4045458
	4045420	2	2	2	SCREW	4045459

Continued

## CARBURETOR (Cont'd)

\* 1st Type  
 \*\* 2nd Type  
 \*\*\* 3rd Type

ITEM	PART NUMBER	*	QTY. **	***	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
15	{ 4051056	1	-	-	NOZZLE, main	
	{ 4045438	-	1	1	NOZZLE, main	
16	4045424	1	1	1	GASKET, nozzle . . . . .	4045422, 4045457, 4045458, 4045459
17	{ 4045439	1	-	-	NUT, power jet and nozzle re- taining . . . . .	4045457
	{ 4045440	-	1	1	NUT, power jet and nozzle retaining . . . . .	4045458, 4045459
18	{ 4045435	1	-	-	NEEDLE ASSY., adjusting (main) (Incl. items 18 thru 21)	
	{ 4048802	1	-	-	NEEDLE, adjusting	
19	4048803	1	-	-	RETAINER, needle	
20	4045436	1	-	-	PACKING	
21	4051055	1	-	-	RETAINER, packing	
22	4050903	-	1	1	PLUG, retaining nut	
23	4045421	1	1	1	GASKET . . . . .	4045422, 4045457, 4045458, 4045459
24	4045434	1	1	1	NEEDLE, adjusting (idle) . . .	4045457, 4045458, 4045459
25	4045427	1	1	1	SPRING, adjusting needle . . .	4045457, 4045458, 4045459
26	4045432	1	1	1	FLOAT ASSY (Incl. LEVER)	
27	4045433	1	1	1	SHAFT, float . . . . .	4045457, 4045458, 4045459
28	4045423	1	1	1	GASKET, bowl . . . . .	4045422, 4045457, 4045458, 4045459
29	4047128	1	1	1	VALVE ASSY., (Incl. SEAT & Item 30) . . . . .	4045457, 4045458 4045459
30	4045421	1	1	1	GASKET, valve seat . . . . .	4045422, 4045457, 4045458, 4045459
31	4045447	1	1	1	SLEEVE, choker	
	901216	3	3	3	SCREW	
	904203	3	3	3	LOCKWASHER	
	4050905	1	1	1	PLUG	
32	4045428	1	1	1	SHAFT ASSY., choke (Incl. item 33)	

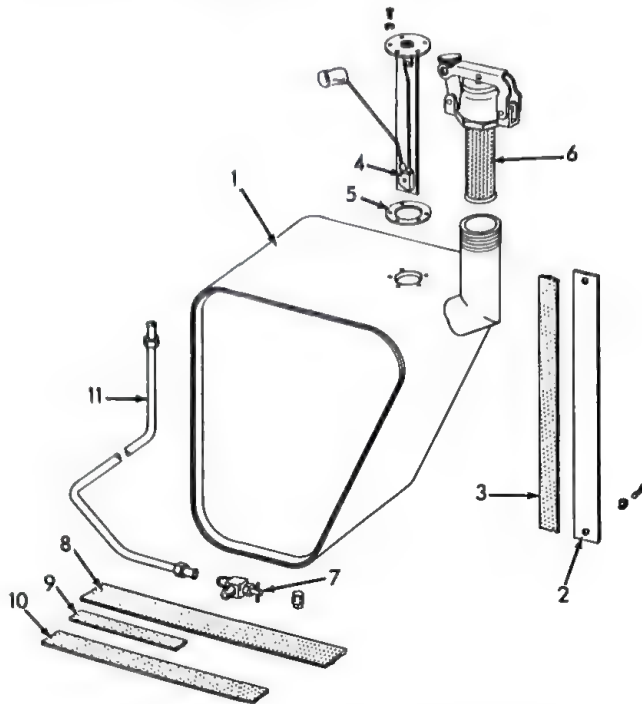
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# CARBURETOR (Cont'd)

\* 1st Type  
 \*\* 2nd Type  
 \*\*\* 3rd Type

ITEM	PART NUMBER	*	QTY. **	***	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
33	4045429	1	1	1	SWIVEL, choke	
	905117	1	1	1	SCREW	
	4045446	1	1	1	PIN, swivel retaining	
34	4050906	1	1	1	BUTTERFLY, choke	
	4046823	2	2	2	SCREW . . . . .	4045457, 4045458, 4045459
	912303	2	2	2	LOCKWASHER	
35	4735768	1	1	1	GASKET. . . . .	4983972
	4045457	1	-	-	PARTS KIT, carburetor	
	4045458		1	-	PARTS KIT, carburetor	
	4045459	-	-	1	PARTS KIT, carburetor	
	4045422	-	-	1	GASKET SET, carburetor	



### FUEL TANK & CONNECTIONS

\* FB20  
\*\* FPB20

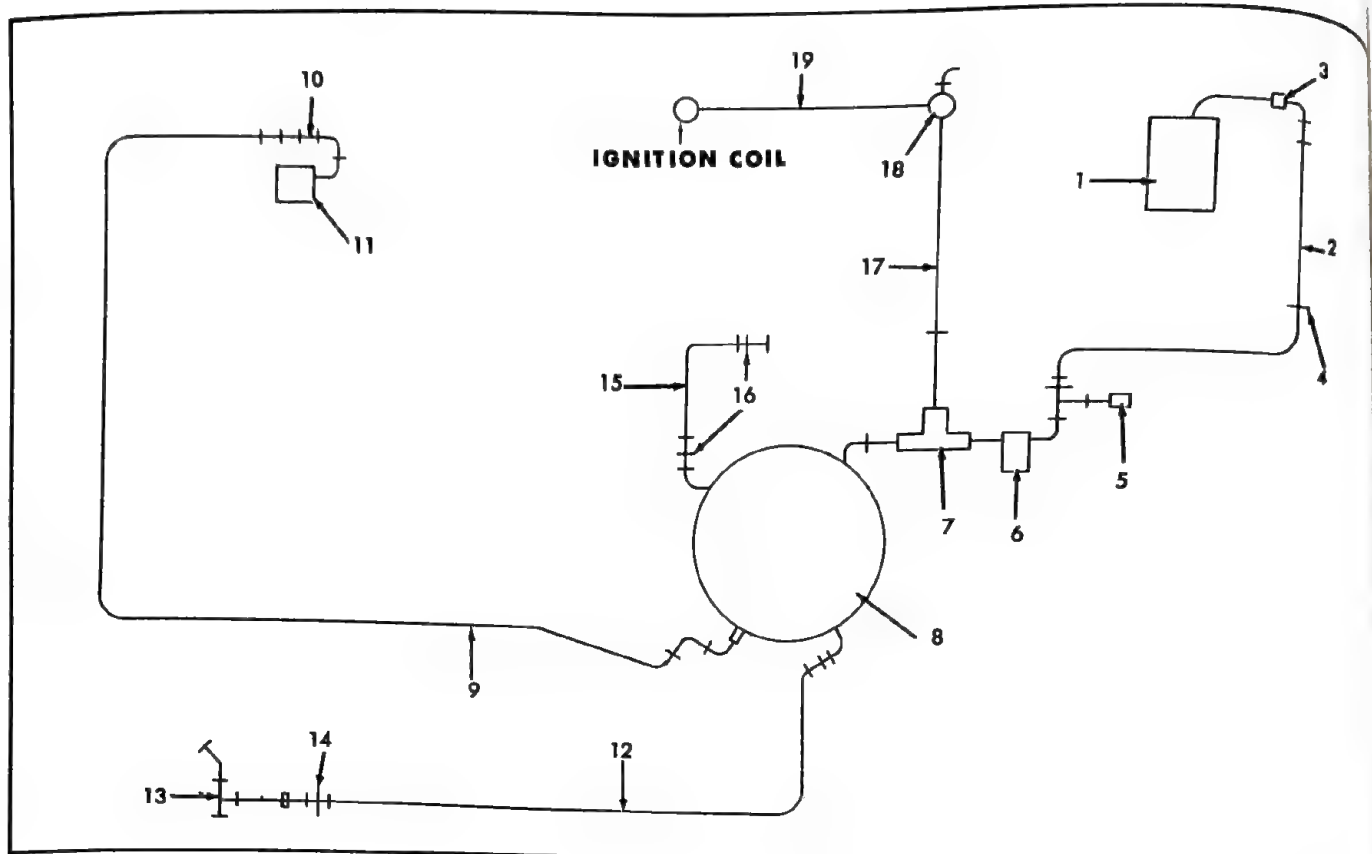
ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY PACKAGE NO
		*	**		
1	4735450	1	-	TANK, fuel (Prior to Serial #13563000)	
	4735870	-	1	TANK, fuel (Prior Serial #13756000)	
	903772	1	1	CAPSCREW	
	917017	1	1	CAPSCREW	
	904205	2	2	LOCKWASHER	
	901652	1	1	PLUG, pipe	
	4700593	1	1	TANK, fuel (Eff. FB20 Serial 1356000 & up; FPB20 Serial 13756000 and up)	
	4747153	1	1	STUD	
	903772	1	1	CAPSCREW	
	904205	2	2	LOCKWASHER	
	901652	1	1	PLUG, pipe	
2	4735639	1	1	STRAP ASSY, (Incl. item 3)	
3	4735648	1	1	ANTI-SQUEAK, tank	
4	4735670	1	1	SENDING UNIT, fuel gauge (Prior FB20 Serial 13563000; FPB20 Serial 13756000)	
	4749321	1	1	SENDING UNIT, fuel gauge (Eff. FB20 Serial 13563000 & up, FPB20 Serial 13756000 & up)	
	900556	5	5	SCREW	
	904203	5	5	LOCKWASHER	
5	4735714	1	1	GASKET, sending unit	

Continued

# FUEL TANK & CONNECTIONS (Cont'd)

\* FB20  
\*\* FPB20

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
6	4732010	1	1	CAP, fuel tank	
7	4110293	1	1	COCK, shut-off	
8	4735645	1	1	ANTI-SQUEAK (24" long)	} Prior to FB20 Serial 13563000 FPB20 Serial 13756000
9	4735647	1	1	ANTI-SQUEAK (8" long)	
10	4735648	1	1	ANTI-SQUEAK, 15-5/8" long)	
11	4709622	1	1	LINE, fuel	
	917032	1	1	ADAPTER, to tank	



FUEL SYSTEM  
(Models FBL-FPBL20)

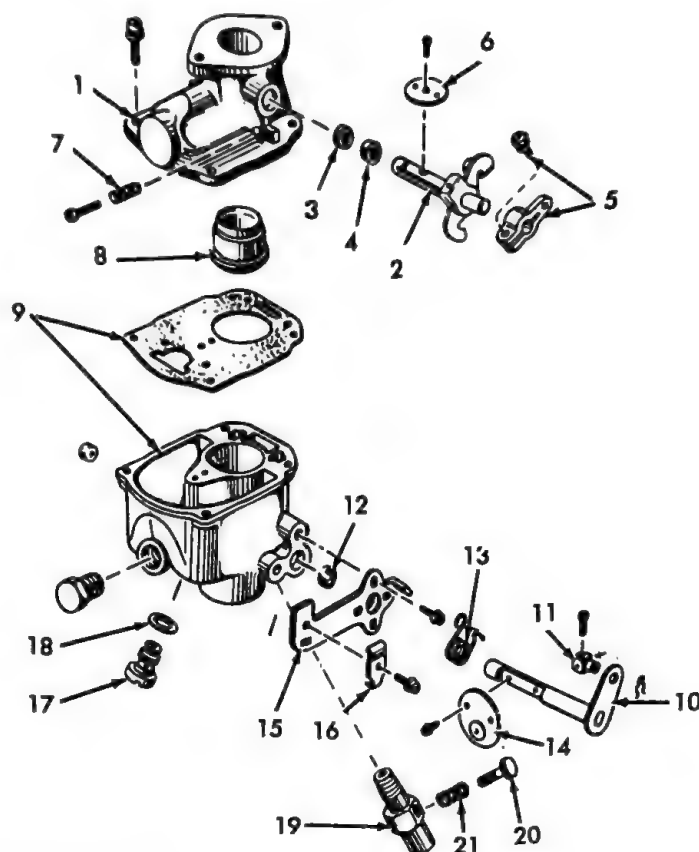
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4700749	1	TANK, fuel (L.P. Gas)	
	4700992	1	RING, retaining, top	
	4704074	2	ROD, tie	
	915018	2	NUT, wing (top end)	
	900818	2	WASHER, flat	
	917666	2	YOKE, tie rod	
	911043	2	NUT, check	
	917648	2	PIN, yoke	
	910967	2	PIN, cotter	
	4700978	1	PLATE, tank mounting (FBL20)	
	4701737	1	PLATE, tank mounting (FPBL20)	
	900189	2	CAPSCREW, flat head	
	912503	2	LOCKWASHER	
2	4701866	1	HOSE, fuel (tank to filter)	
3	4738548	1	CONNECTOR, safety check (to tank)	
	4700355	1	ELBOW	
4	4251847	1	CLAMP, fuel hose	
	903626	1	CAPSCREW	
	900366	1	NUT	
	904206	1	LOCKWASHER	
5	4721342	1	VALVE, pressure relief	
	4700071	1	TEE, fuel line	

Continued

FUEL SYSTEM (Cont'd)  
(Models FBL-FPBL20)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
6	4700820	1	FILTER, fuel (Refer to page 29 for components and Attaching parts)	
	4700355	1	ELBOW	
7	4721969	1	VALVE, shut-off	
	917369	1	NIPPLE (Filter to shut-off valve)	
	917522	1	NIPPLE (Shut-off valve to regulator)	
8	4700819	1	REGULATOR, fuel (Refer to page 40 for components & Attaching parts)	
	4700355	1	ELBOW, (nipple to regulator)	
9	4704245	1	HOSE, fuel (Regulator to carburetor (FBL20)	
	4704246	1	HOSE, fuel (Regulator to carburetor (FPBL20)	
	4252656	1	BUSHING, reducer (to regulator)	
	4700355	1	ELBOW (1/4P-90°)	
	4254145	1	ELBOW (5/8" - 18 x 1/4P - 90°)	
	4251690	1	ADAPTER (to adjuster)	
10	4046717	1	ADJUSTER, main fuel	
	4700074	2	ELBOW (Adjuster to carburetor)	
11	4700821	1	CARBURETOR ASSY., (Refer to page 38 for components and Attaching Parts)	
12	4718650	1	HOSE, water (water pump to regulator) (FBL20)	
	4718649	1	HOSE, water (water pump to regulator) (FPBL20)	
	904230	1	ELBOW, to pump	
13	4251533	1	TEE, water pipe	
	910467	1	REDUCER	
	917386	1	COUPLING,	Pump End
	917026	1	NIPPLE	
	901723	1	ELBOW	Regulator End
	917026	1	NIPPLE	
14	4253448	2	CLAMP, hose	
15	4718649	1	HOSE, water (regulator to water manifold) (FBL20)	
	4704244	1	HOSE, water (regulator to water manifold) (FPBL20)	
	901723	1	ELBOW (to regulator)	
	917026	2	NIPPLE	
16	4253448	2	CLAMP, hose	
17	4744717	1	CABLE, w/fuse holder	
	4710736	1	CLAMP, cable	
	4726324	1	FUSE, 30 ampere	
18	4702072	1	SWITCH, vacuum safety	
	901469	1	NIPPLE	
	917013	1	ELBOW (nipple to intake manifold)	
19	4726111	1	WIRE ASSY., (vacuum switch to coil)	





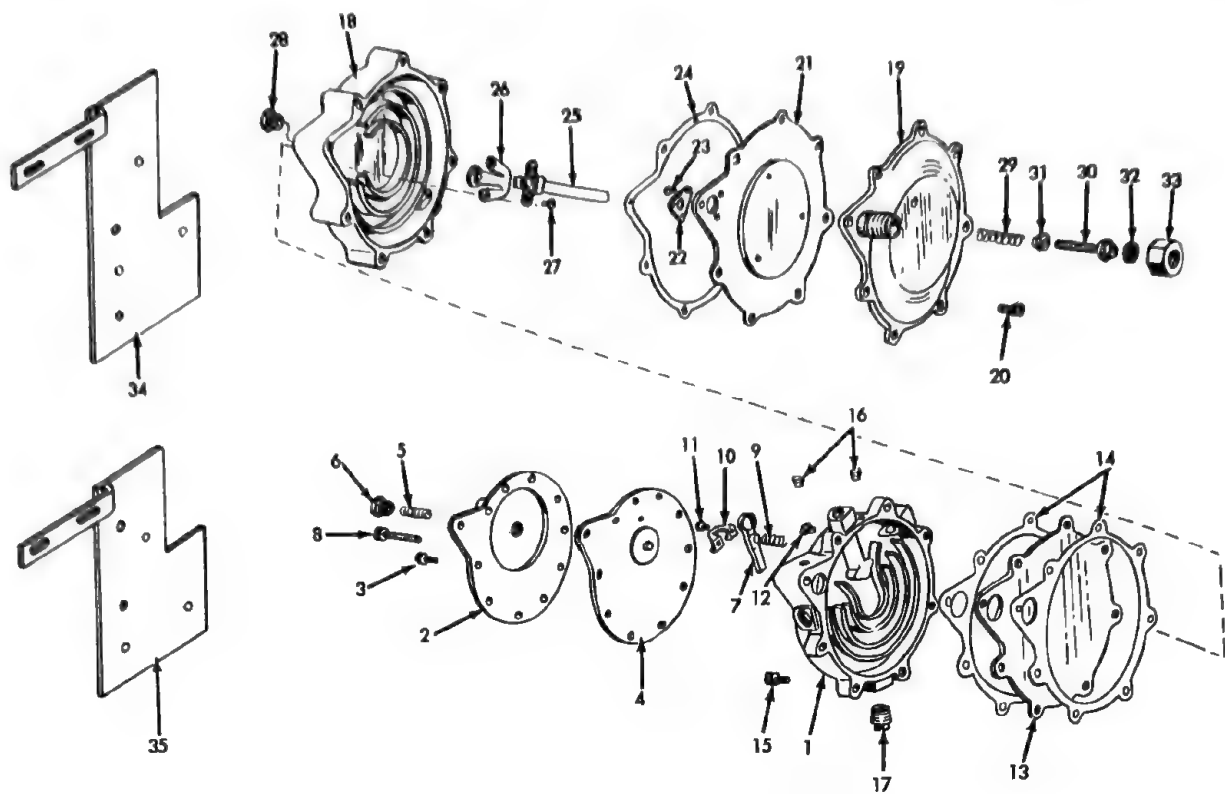
**CARBURETOR**  
(Models FBL-FPBL20)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4700821	1	CARBURETOR ASSY., (Incl. items 1 thru 21)	
	4004399	2	STUD, mounting	
	910880	2	NUT	
	905272	2	LOCKWASHER	
	4735768	1	GASKET, carburetor mounting	
1	4046836	1	BODY, throttle, carburetor	
	4046821	4	SCREW, throttle body	
2	4046818	1	SHAFT ASSY., throttle	
3	4045437	1	PACKING, shaft	
4	4045442	1	RETAINER, packing	
5	4047132	1	LEVER ASSY., throttle (Incl. next item)	
	4047135	1	SCREW, lever	
6	4046819	1	DISC, throttle	
	4046822	2	SCREW	
7	4046827	1	SPRING, throttle stop	
	4046820	1	SCREW, throttle stop	
8	4046833	1	VENTURI	

Continued

CARBURETOR (Cont'd)  
(Models FBL-FPBL20)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
9	4046826	1	GASKET, throttle body (to bowl)	
	4046817	1	BODY, carburetor	
	4046835	1	PLUG, body (choke shaft)	
	4047140	1	PLUG, pipe	
10	4046829	1	SHAFT ASSY., choke (Incl. next 3 items)	
11	4045429	1	SWIVEL, choke	
	4047133	1	SCREW, swivel	
	4045446	1	PIN, retainer	
12	4046832	1	PACKING, choke shaft	
13	4046828	1	SPRING, choke return	
14	4046830	1	DISC, choke	
	4046823	2	SCREW	
15	4046831	1	BRACKET ASSY., choke (Incl. item 16)	
	4046824	1	SCREW, bracket (to body)	
16	4047137	1	CLIP, choke	
	4047134	1	SCREW, clip	
17	4047139	1	PLUG, nozzle	
18	4045421	1	GASKET, nozzle plug	
19	4046717	1	ADJUSTER, fuel (main) (Incl. items 20 and 21)	
20	4047138	1	NEEDLE, fuel adjusting	
21	4047135	1	SPRING, adjusting needle	



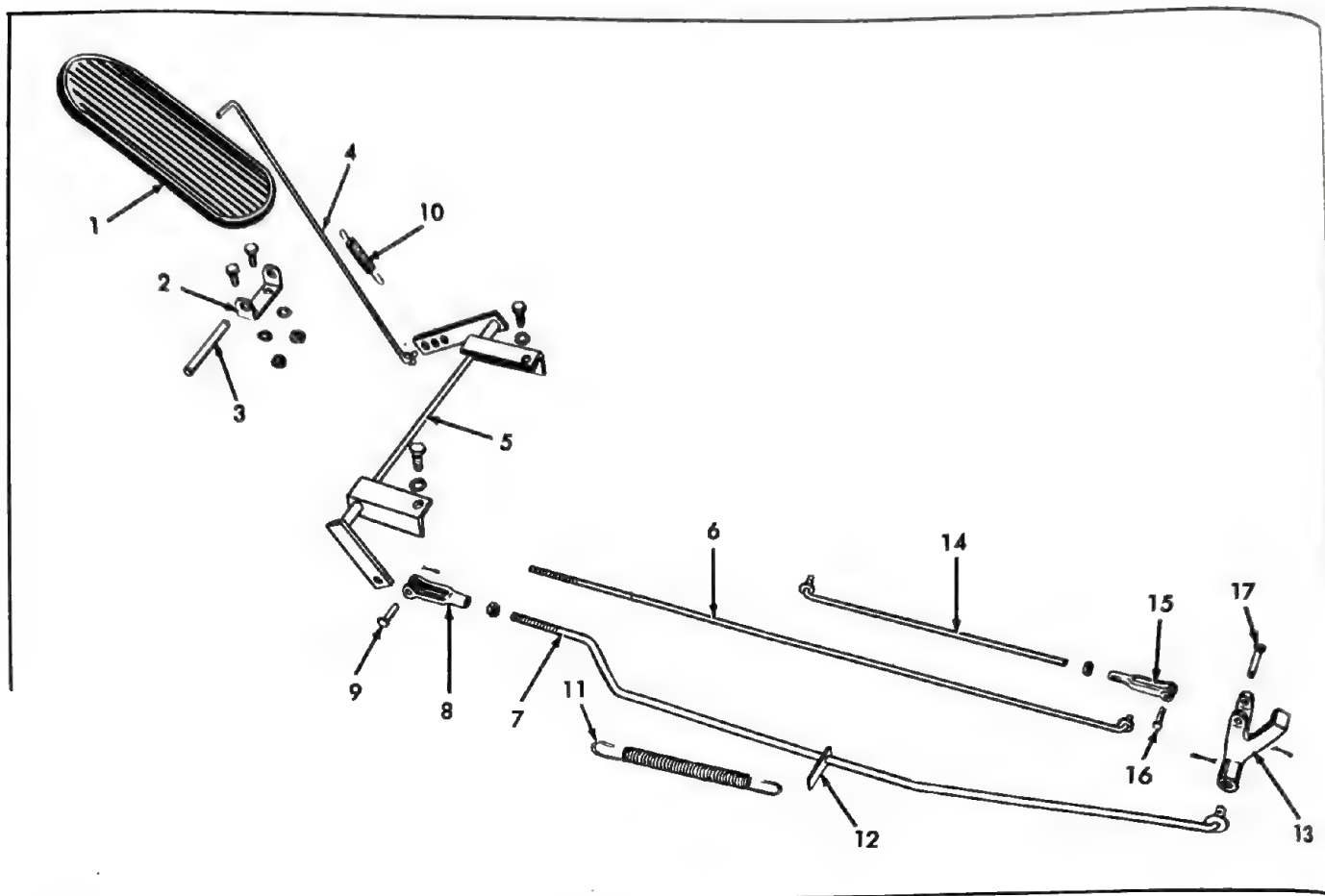
**FUEL REGULATOR**  
Models FBL-FPBL20

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4700819	1	REGULATOR ASSY., fuel (Incl. items 1 thru 33)	
	913943	3	CAPSCREW, flat head	
1	4046785	1	BODY, primary	
2	4046800	1	COVER, body-primary	
3	4046788	9	SCREW AND LOCKWASHER (cover-primary)	
4	4046814	1	DIAPHRAGM, primary . . . . .	4046816
5	4046796	1	SPRING, primary diaphragm . . . . .	4046816
6	4046808	1	CAP, diaphragm spring retainer . . . . .	4046816
7	4046805	1	LEVER ASSY., primary . . . . .	4046816
8	4046791	1	SCREW AND LOCKWASHER (primary lever)	
9	4046797	1	SPRING, lever - primary . . . . .	4046816
10	4046804	1	BRACKET, primary lever . . . . .	4046816
11	4046789	1	SCREW AND LOCKWASHER, lever bracket . . .	4046816
12	4046810	1	SEAT, primary valve . . . . .	4046816
13	4046812	1	PLATE, baffle . . . . .	4046816

Continued

FUEL REGULATOR (Cont'd)  
Models FBL-FPBL20

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
14	4046793	2	GASKET, water jacket . . . . .	4046816
15	4046790	7	SCREW AND LOCKWASHER, body	
16	4046803	2	PLUG	
17	4046802	1	PLUG	
18	4046786	1	BODY, secondary	
19	4046801	1	COVER, body-secondary	
20	4046788	9	SCREW AND LOCKWASHER (cover-secondary)	
21	4046815	1	DIAPHRAGM, secondary . . . . .	4046816
22	4046813	1	PLATE, secondary diaphragm sealing	
23	4046787	3	SCREW, sealing plate . . . . .	4046816
24	4046795	1	GASKET, secondary	
25	4046807	1	LEVER ASSY., secondary valve . . . . .	4046816
26	4046806	1	LEVER ASSY., secondary (leaf) . . . . .	4046816
27	4046789	2	SCREW AND LOCKWASHER (secondary lever) .	4046816
28	4046811	1	SEAT, secondary valve	
29	4046798	1	SPRING, secondary valve . . . . .	4046816
30	4046792	1	SCREW ASSY., idler adjusting . . . . .	4046816
31	4046799	1	RETAINER, idle adjusting	
32	4046794	1	GASKET, idler adjusting seal. . . . .	4046816
33	4046809	1	CAP, idler adjusting	
34	4704278	1	BRACKET, regulator mounting (FPBL20)	
	913943	2	CAPSCREW, flat head	
	910324	2	NUT	
	904206	2	LOCKWASHER	
35	4701177	1	BRACKET, regulator mounting (FBL20)	
	913943	2	CAPSCREW, flat head	
	910324	2	NUT	
	904206	2	LOCKWASHER	
-	4046816	1	REPAIR KIT, regulator	



### ACCELERATOR

\* Units equipped with 1st & 2nd type carburetors

\*\* Units equipped with 3rd type carburetors and/or L.P. Gas

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OF PACKAGE NO.
		*	**		
1	4735623	1	1	PEDAL, accelerator	
2	4735718	1	1	BRACKET, pedal	
	903625	2	2	CAPSCREW	
	910880	2	2	NUT	
	904204	2	2	LOCKWASHER	
3	4735717	1	1	PIN, pedal hinge	
	900970	2	2	PIN, cotter	
4	4735803	1	1	LINK, pedal	
	900970	2	2	PIN, cotter	
5	4734145	1	1	LEVERSHAFT, accelerator	
	903772	2	2	CAPSCREW	
	904205	2	2	LOCKWASHER	
6	4735710	1	-	ROD, accelerator (straight) (1st type)	

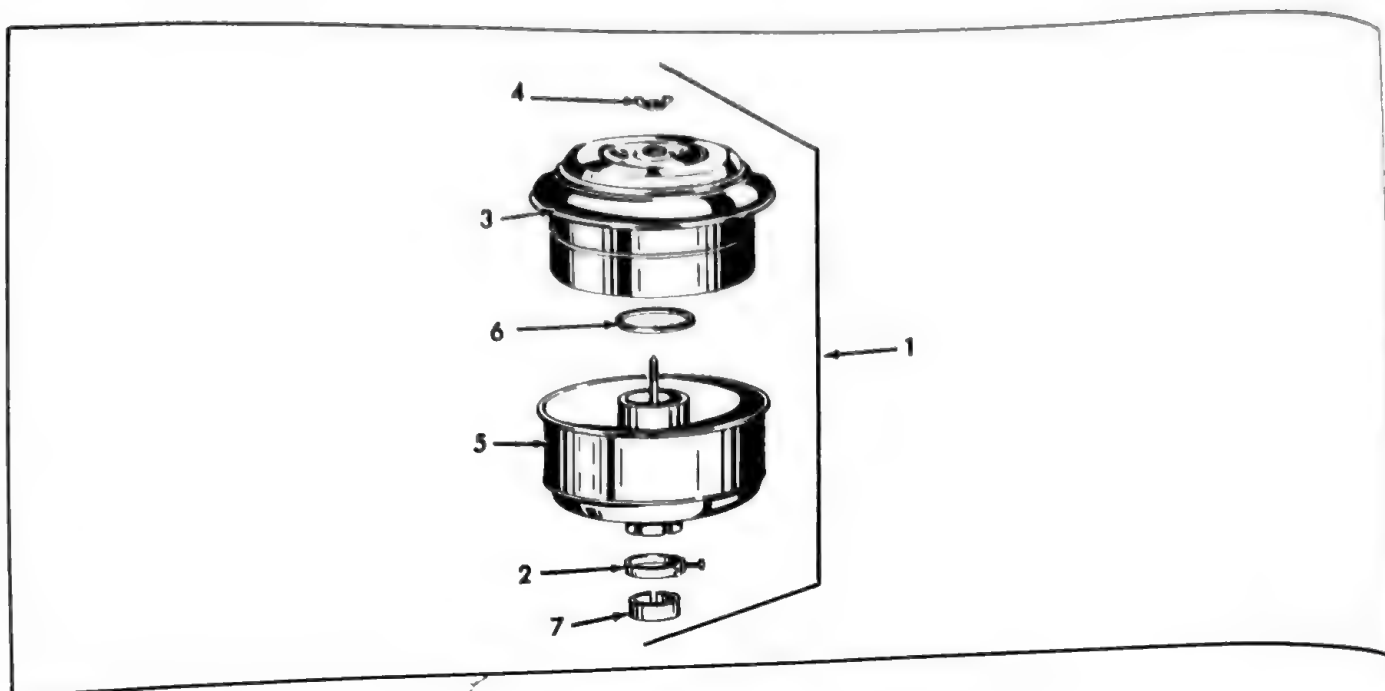
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# ACCELERATOR (Cont'd)

\* Units equipped with 1st & 2nd type carburetors  
 \*\* Units equipped with 3rd type carburetors and/or L. P. Gas

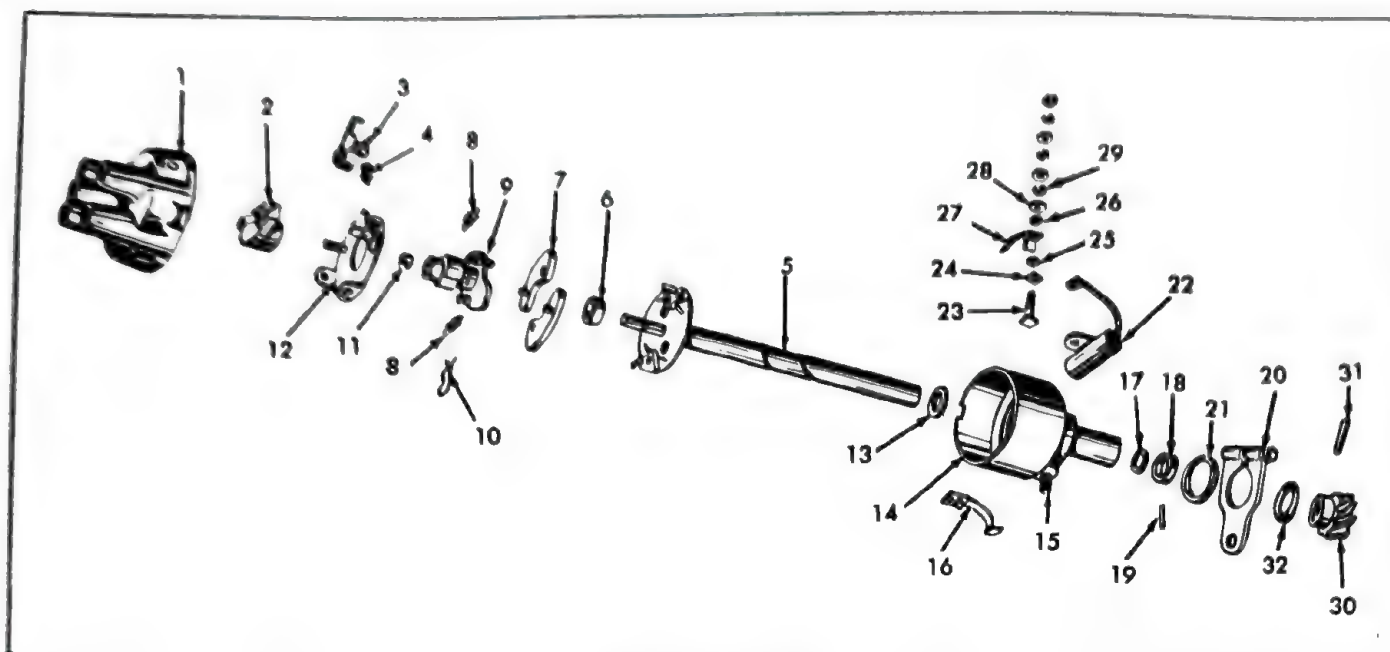
ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
7	4712766	-	1	ROD, accelerator (bent) (2nd type)	
8	917662	1	1	CLEVIS	
	910337	1	1	NUT, check	
9	917644	1	1	PIN, clevis	
	900970	2	2	PIN, cotter	
10	4723251	1	-	SPRING, accelerator return (1st type)	
11	4727275	-	1	SPRING, accelerator return (2nd type)	
12	4709382	-	1	CLIP, spring (2nd type only)	
13	{ 4711397	-	1	LEVER, throttle (FB-FBL20) (2nd type only)	
	{ 4711398	-	1	LEVER, throttle (FPB-FPBL20) (2nd type only)	
14	4735709	1	1	ROD, governor (to carburetor)	
15	917661	1	1	CLEVIS	
	910251	1	1	NUT, clevis check	
16	917643	1	-	PIN, clevis (1st type)	
17	4711460	-	1	PIN, clevis (2nd type)	
	900970	2	2	PIN, cotter	



AIR CLEANER

ASSEMBLY OR  
PACKAGE NO.

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	4046101	1	CLEANER ASSY., air (Incl. items 2 thru 6)
2	4253453	1	CLAMP, air cleaner
3	4046684	1	UPPER, HALF, air cleaner
4	4984217	1	NUT, wing
5	4046685	1	RESERVOIR, oil
6	4046683	1	GASKET, oil seal
7	4701024	1	ADAPTER, air cleaner (to carburetor) (f/FBL & FPBL20 only)



**DISTRIBUTOR**  
(Prior to Serial No. 12476000)

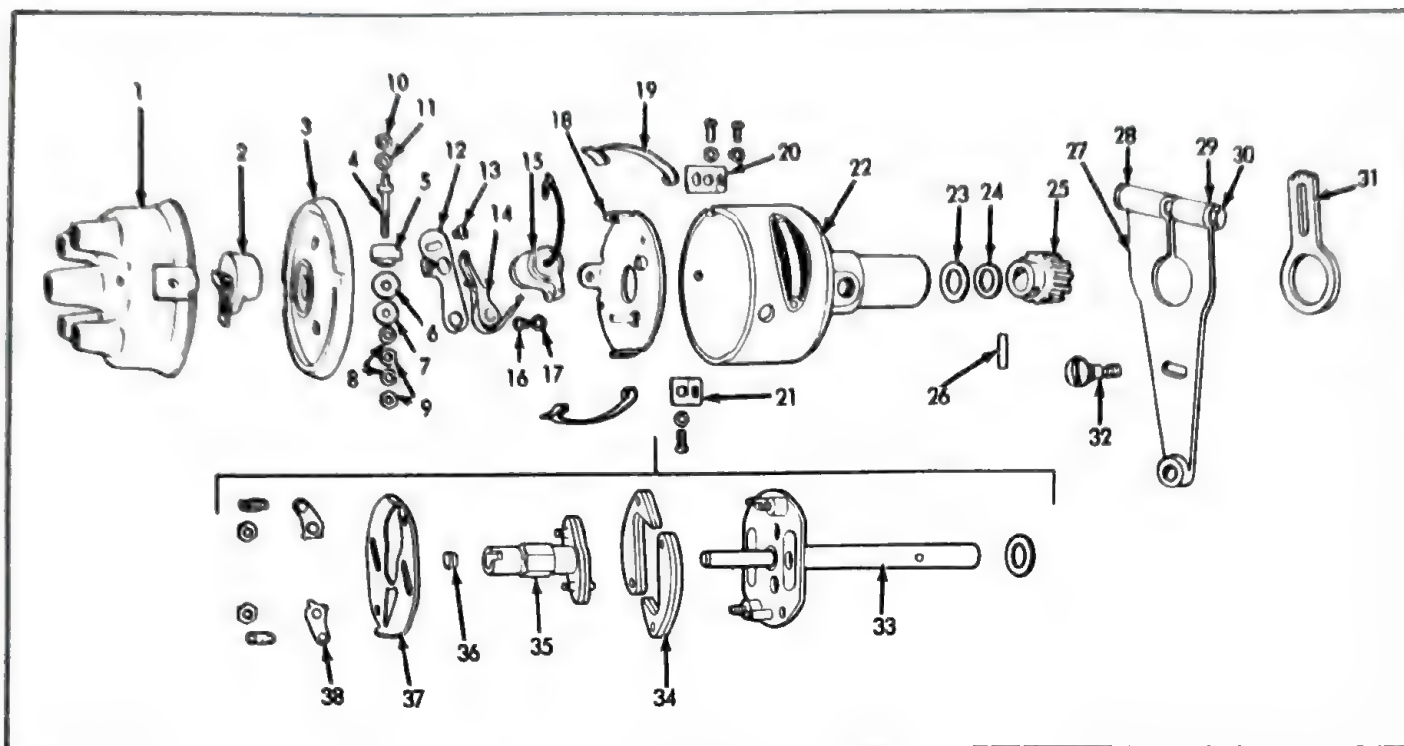
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4734109	1	DISTRIBUTOR ASSY., (Incl. items 1 thru 29)	
1	4042448	1	CAP, distributor	
2	4042447	1	ROTOR	
3	4042466	1	CONTACT SET, breaker	
4	4043197	1	LOCKNUT	
5	{ 4043229	1	GOVERNOR ASSY., (Incl. SHAFT & items 6 thru 10)	
	{ 4051103	1	SHAFT, drive	
6	4043225	1	SPACER, cam	
7	4043229	2	WEIGHT, governor	
8	4043208	1	SPRING SET, governor	
9	4042465	1	PLATE, cam and stop	
10	4043221	1	SPRING, cam retaining	
11	4042434	1	WICK, felt	
12	4043211	1	PLATE, contact breaker	
	4051106	3	SCREW, round head	
	906964	3	LOCKWASHER	
13	4043224	1	WASHER, thrust (drive shaft upper)	
14	{ 4051104	1	BASE ASSY., (Incl. next item)	
	{ 4042437	2	BEARING, bronze	
15	4042555	1	OILER, base	

Continued

DISTRIBUTOR (Cont'd)  
(Prior to Serial No. 12476000)

ASSEMBLY  
PACKAGE

ITEM	PART NUMBER	QTY.	DESCRIPTION
16	4043210	1	CLAMP, spring and hinge (cap)
17	4042433	1	WASHER, thrust (drive shaft lower)
18	4050774	1	COLLAR, shaft
19	4042548	1	RIVET, collar
20	4049068	1	ARM, advance
	905655	1	CAPSCREW
21	4043202	1	WASHER, thrust
22	4042446	1	CONDENSER
	4051107	1	SCREW
	4051108	1	WASHER
23	4043223	1	STUD, terminal
24	4047916	1	WASHER, inner
	4047917	*	WASHER, stud (* use as req'd)
25	4043222	1	BUSHING, insulating
26	4051109	1	BUSHING, insulating
27	4043206	1	INSULATION, inner
28	4047915	1	WASHER, outer
29	4051112	1	WASHER, stud
	900815	1	WASHER, plain
	910251	2	NUT, hex
	904203	2	LOCKWASHER
30	4734110	1	GEAR, drive
31	4734111	1	PIN, groove
32	4710846	1	"O" RING, distributor



**DISTRIBUTOR**  
(Eff. Serial No. 12476000 and up)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4703720	1	DISTRIBUTOR (Incl. items 1 thru 37)	
1	4044344	1	CAP, distributor (Incl. next item)	
	4047364	1	BUTTON, cap carbon	
2	4047410	1	ROTOR	
3	4044517	1	COVER (Incl. next 2 items)	
	4044514	1	GASKET, cover	
	4044585	1	WASHER PACKAGE, felt - seal	
4	4042720	1	STUD, terminal	
5	4042781	1	BUSHING, stud	
6	4042801	1	WASHER, terminal stud insulation - outside	
7	4044319	1	WASHER, terminal stud plain - outside	
8	917395	1	LOCKWASHER, terminal stud nut - outside	
9	4049853	1	NUT, terminal stud - outside	
10	4042694	1	NUT, terminal stud - inside	
11	4042667	1	WASHER, terminal stud plain - inside	
12	4042722	1	CONTACT POINT AND SUPPORT	.020 gap
13	4042686	1	SCREW, contact attaching	
14	4044159	1	LEVER, breaker	
15	4044519	1	CONDENSER	
16	4047366	1	SCREW, condenser attaching	
17	917395	1	LOCKWASHER, condenser attaching screw	

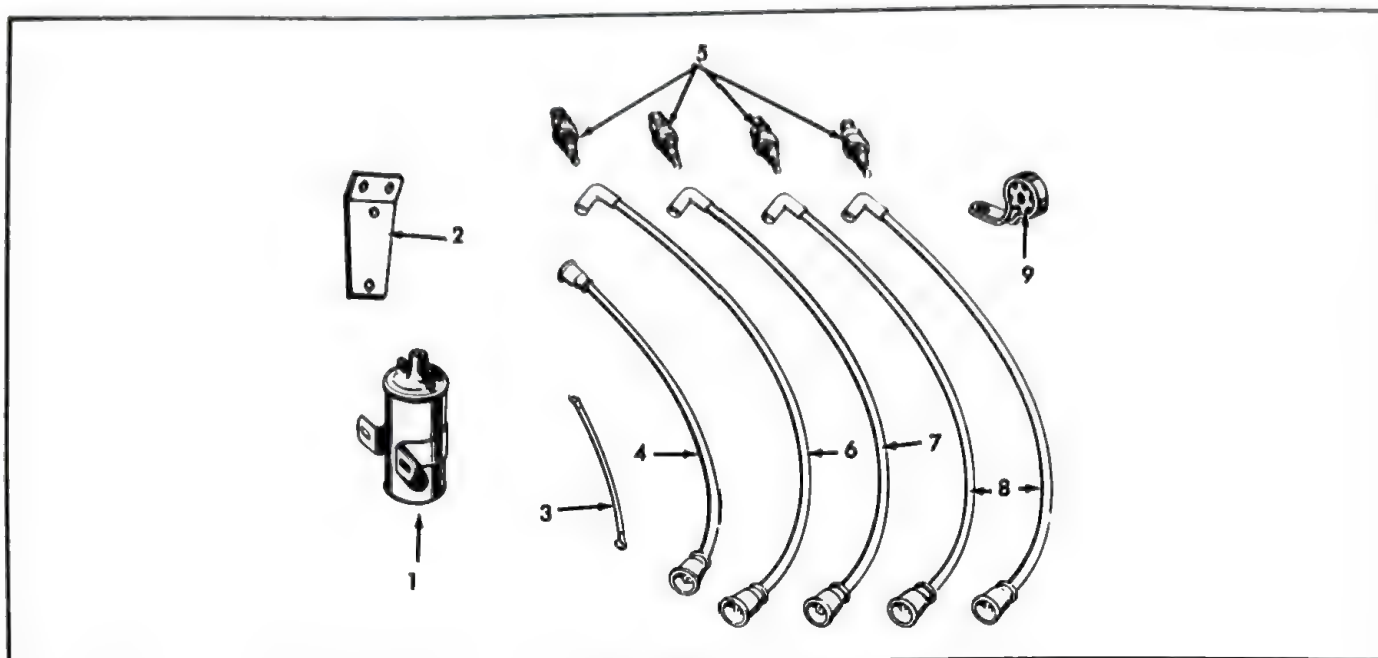
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DISTRIBUTOR (Cont'd)  
(Eff. Serial No. 12476000 and up)

ASSEMBLY OR  
PACKAGE NO.

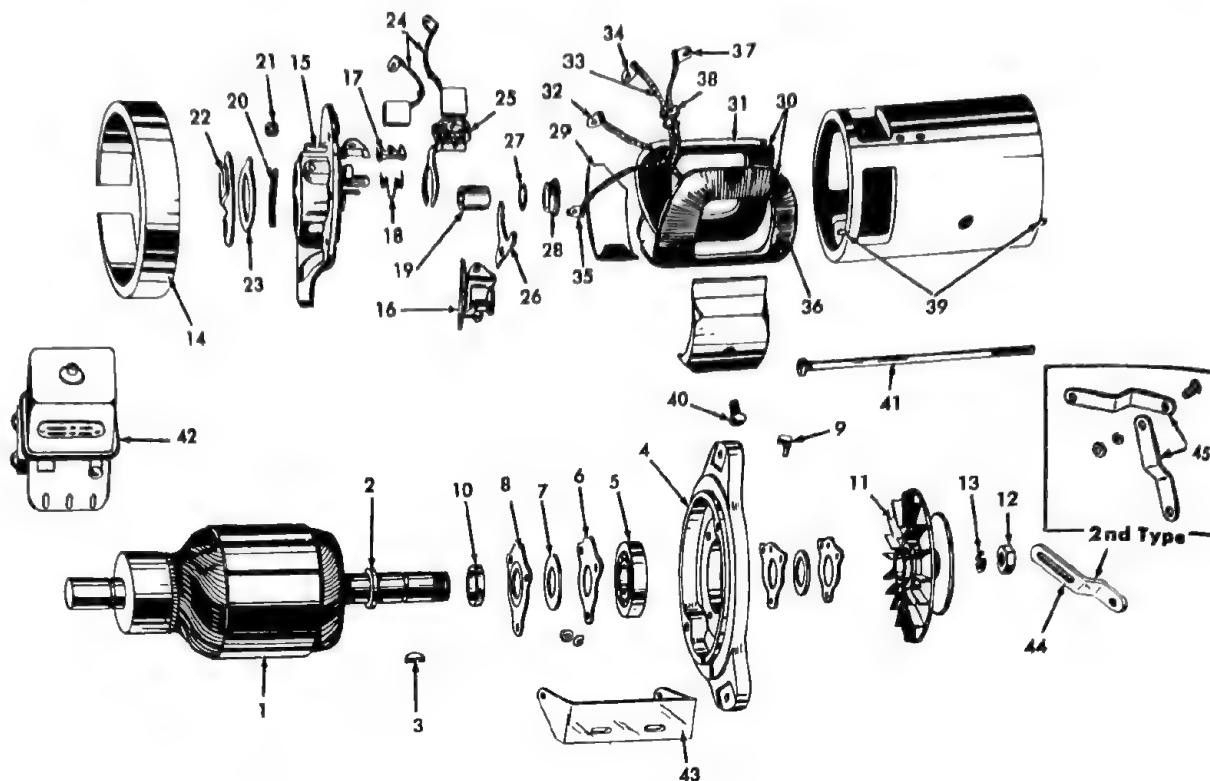
ITEM	PART NUMBER	QTY.	DESCRIPTION
18	4042719	1	PLATE, breaker
	4049852	1	SCREW, breaker plate support
	917395	1	LOCKWASHER, support screw
19	4044515	2	SPRING, distributor cap
20	4044516	1	SUPPORT, cap spring and cover locator
21	4044406	1	SUPPORT, cap spring
	917393	2	SCREW, cap spring support
	917395	2	LOCKWASHER, support screw
22	4049851	1	HOUSING, distributor (Incl. next 2 items)
	4044549	1	BUSHING, housing
	4047365	1	PLUG, pipe
23	4047365	1	WASHER, spacer
24	4042660	*	SHIM, distributor shaft - .005" (Use as required)
	4042661	*	SHIM, distributor shaft - .010" (Use as required)
	4710846	1	"O" RING, distributor
25	4734110	1	GEAR, drive
26	4253503	1	PIN, drive gear
27	4703718	1	ARM, advance
28	4042626	1	SCREW, advance arm clamp
29	4049857	1	WASHER, clamp screw
30	4042641	1	NUT, clamp screw
31	4500466	1	DIAL, distributor
32	4049858	1	SCREW, hold down
	904204	1	LOCKWASHER, hold down screw
33	4049854	1	SHAFT, main
	4042670	1	WASHER, spacer
34	4049855	2	WEIGHT
35	4049856	1	CAM ASSY.
36	4047414	1	WICK, cam felt
37	4047372	1	PLATE, weight hold down
	4047373	2	NUT, weight hold down
	4042810	2	LOCKWASHER, hold down nut
38	4047415	2	SPRING, weight





### COIL, SPARK PLUG & WIRES

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4612579	1	COIL (Prior to Serial No. 12476000)	
	4001755	1	COIL (Eff. Serial No. 12476000 & up)	
	905661	2	CAPSCREW	
	910323	2	NUT	
	904205	2	LOCKWASHER	
2	4736320	1	BRACKET	
3	4731841	1	WIRE, ignition (Secondary)	
4	4736402	1	WIRE, coil (High tension) (Prior to Serial No. 12476000)	
	4742691	1	WIRE, coil (High tension) (Serial No. 12476000 & up)	
5	4713262	4	PLUG, spark	
6	4734882	1	WIRE, spark plug (#1)	
7	4734883	1	WIRE, spark plug (#2)	
8	4734884	2	WIRE, spark plug (#3 & #4)	
9	4984890	1	SUPPORT, wire	
	905657	1	CAPSCREW	
	910880	1	NUT	
	904204	1	LOCKWASHER	



# GENERATOR

\* 1st Type - Standard Generator  
 \*\* 2nd Type - Hi-Output Generator

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
-	-----	1	-	GENERATOR ASSY., (AL-GBM-4184-A) (Incl. items 1 thru 42) (Order No. 4736225)	
	4737406	-	1	GENERATOR ASSY., (AL-GGW-6001-W) (Incl. items 1 thru 41)	
	903772	2	2	CAPSCREW (to bracket)	
	910323	2	2	NUT	
	904205	2	2	LOCKWASHER	
1	4043136	1	1	ARMATURE (Incl. item 2)	
2	4042365	1	1	RING, snap	
3	905121	1	1	KEY, shaft	
-	4048116	1	1	HEAD ASSY., drive end (Incl. items 4 thru 9)	
4	4048117	1	1	HEAD, drive end	
5	4253860	1	1	BEARING, ball	
6	4048118	2	2	RETAINER, felt washer	
7	4042379	2	2	WASHER, felt	
8	4048119	1	1	RETAINER, bearing	
	902174	3	3	SCREW	
	910251	3	3	NUT	
	904203	3	3	LOCKWASHER	

Continued

# GENERATOR (Cont'd)

\* 1st Type - Standard Generator  
 \*\* 2nd Type - Hi-Output Generator

ITEM	PART NUMBER	QTY. * **		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
9	4042554	1	1	OILER, head (drive end)	
10	4042419	1	1	RETAINER, felt washer	
11	4042546	1	-	PULLEY, drive (fan type)	
	4700598	-	1	PULLEY, drive	
12	4042369	1	1	NUT	
13	4048120	1	1	LOCKWASHER	
	4700374	-	1	SPACER, pulley (Not illustrated)	
14	4048121	1	1	BAND, cover	
	918644	1	1	SCREW, round head	
	917706	1	1	NUT, square	
15	4048122	1	1	HEAD ASSY., commutator end (Incl. items 16 thru 19)	
16	4048134	1	1	HOLDER, main brush (Incl. items 17 & 18)	
	918645	1	1	SCREW	
	906964	1	1	LOCKWASHER	
17	4042366	1	1	ARM, brush	
18	4043128	1	1	SPRING, brush	
19	4042367	1	1	BEARING, head (commutator end)	
20	4043126	1	1	WICK, felt	
21	4048123	1	1	COVER, felt wick	
22	4048124	1	1	COVER, end	
	905177	4	4	SCREW	
	906964	4	4	LOCKWASHER	
23	4043137	1	1	GASKET, end cover.	
24	4048133	1	1	BRUSH SET, service	
	900551	3	3	SCREW, brush lead	
	906967	3	3	LOCKWASHER	
25	4048125	1	1	PLATE, third brush	
26	4048126	1	1	SPRING, plate retaining (3rd brush)	
	900556	1	1	SCREW	
27	4047027	1	1	GASKET, oil retaining	
28	4048127	1	1	GUARD, oil	
29	4048128	1	1	INSULATION, field connection	
30	4044204	1	1	COIL ASSY., field (complete) (Incl. items 31 thru 36)	
31	4043124	1	1	COIL ASSY., field (left) (Incl. items 32 thru 35)	
32	4042557	1	1	TERMINAL, lead	

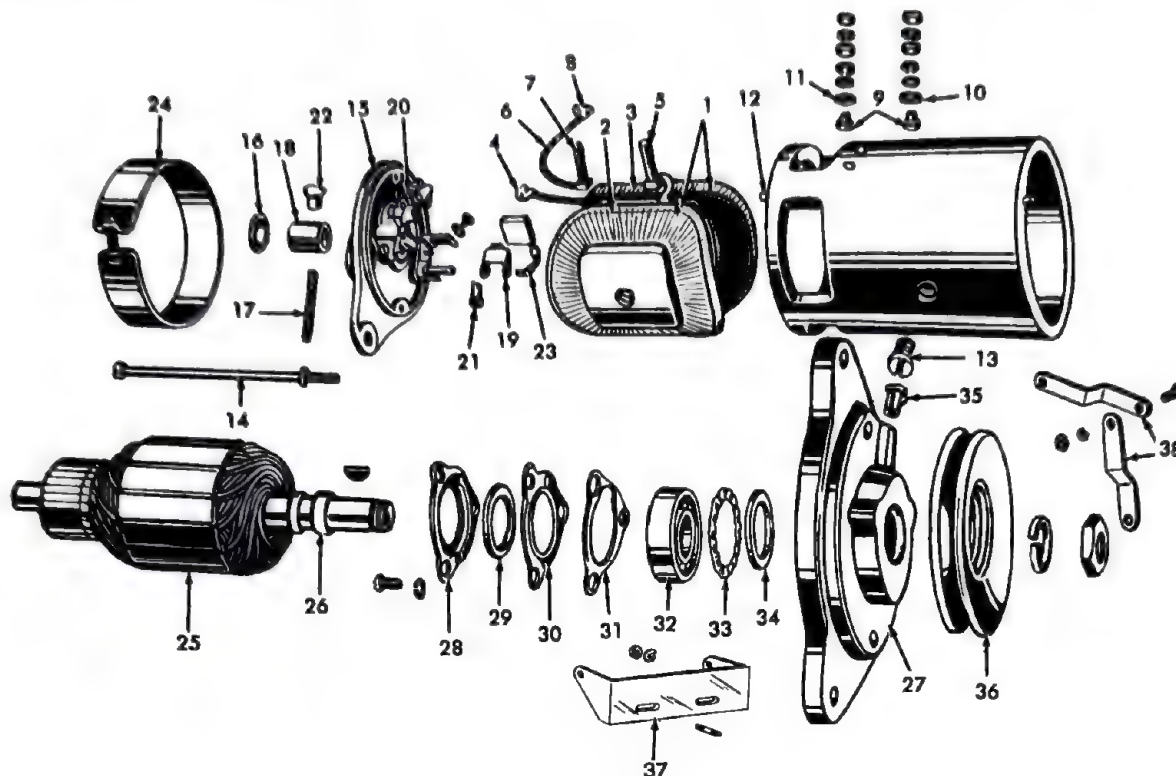
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GENERATOR (Cont'd)

\* 1st Type - Standard Generator  
 \*\* 2nd Type - Hi-Output Generator

ITEM	PART NUMBER	QTY.		DESCRIPTION
		*	**	
33	4048129	1	1	LEAD ASSY., (Incl. items 34 and 35)
34	4048130	1	1	TERMINAL
35	4048131	1	1	TERMINAL
36	4043125	1	1	COIL ASSY., field (right) (Incl. item 37)
37	4048132	1	1	TERMINAL, lead
38	4043127	1	1	BUSHING, insulating (lead)
39	4042514	2	2	PIN, dowel (frame)
40	4042418	2	2	SCREW, pole (shoe)
41	4042523	2	2	BOLT, thru
	906958	2	2	LOCKWASHER
42	4042550	1	-	REGULATOR
	4505054	-	1	REGULATOR
	906792	4	4	SCREW
	904203	4	4	LOCKWASHER
43	4984778	1	-	BRACKET, generator mounting (1st type)
	4736318	-	1	BRACKET, generator mounting (2nd type)
	4984854	2	2	STUD, bracket (to cylinder block)
	910123	2	2	NUT, stud
	904206	2	2	LOCKWASHER
44	4735681	1	-	BRACKET, adjusting (1st type)
	903626	1	-	CAPSCREW, attaching
	910335	1	-	WASHER
	904205	1	-	LOCKWASHER
45	4736333	-	2	BRACKET, adjusting (2nd type)
	905274	-	1	CAPSCREW, swivel
	910510	-	1	NUT
	904208	-	1	LOCKWASHER
	903626	-	1	CAPSCREW, attaching
	910335	-	1	WASHER
	904205	-	1	LOCKWASHER

ASSEMBLY ON  
PACKAGE NO.



**GENERATOR**  
(3rd Type-Standard Generator)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4736225	1	GENERATOR ASSY., (AL-GHD-6001 Q) (Incl. items 1 thru 36 and VOLTAGE REGULATOR)	
	903772	2	CAPSCREW (to bracket)	
	910323	2	NUT	
	904205	2	LOCKWASHER	
1	4042406	1	COIL ASSY., field (complete) (Incl. items 2 thru 5)	
2	4042408	1	COIL, field - right	
3	4042407	1	COIL ASSY., field - left (Incl. item 4)	
4	4042557	1	TERMINAL, field coil	
5	4042381	1	STUD, field terminal	
6	4042401	1	LEAD ASSY., (Incl. items 7 and 8)	
7	4042382	1	STUD	
8	4042557	1	TERMINAL	
9	4042385	2	BUSHING, insulator (terminal stud)	
10	4042383	1	WASHER, insulator (field terminal)	
	4042384	1	WASHER, plain	
	910251	2	NUT	
	904203	2	LOCKWASHER	

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GENERATOR (Cont'd)  
(3rd Type - Standard Generator)

ASSEMBLY  
PACKAGE

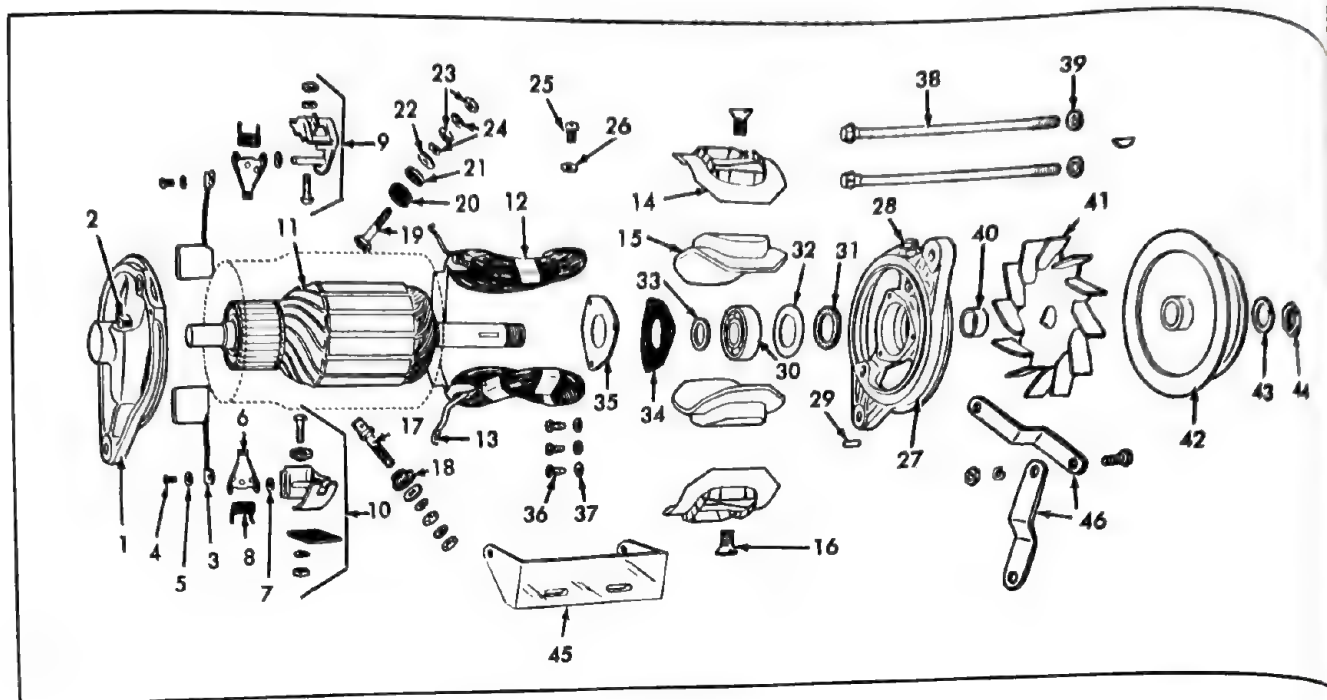
ITEM	PART NUMBER	QTY.	DESCRIPTION
11	4042378	1	WASHER, insulator (armature terminal)
	4047408	1	WASHER, plain
	910337	2	NUT
	904204	2	LOCKWASHER
	4042399	1	LEAD ASSY., armature terminal
	4042400	1	LEAD ASSY., field terminal
12	4042514	2	PIN, dowel, frame
13	4042418	2	SCREW, pole shoe
14	4042523	2	BOLT, generator thru
	904204	2	LOCKWASHER
15	{ 4042410	1	HEAD ASSY., commutator end (Incl. items 16 thru 22)
	{ 4042404	1	HEAD ASSY., partial (Incl. items 18 thru 21)
16	4042364	1	COVER, bearing
17	4042389	1	WICK, felt
18	4042386	1	BEARING, bronze
19	4042366	3	ARM, brush
20	4042402	1	SPRING, brush
21	4042403	2	SPRING, brush
22	4042562	1	OILER
23	4041146	1	BRUSH SET, service
	900551	3	SCREW, brush lead
	906964	3	LOCKWASHER
24	4042409	1	BAND, cover
	918644	1	SCREW, round head
	917706	1	NUT, square
25	4042411	1	ARMATURE (Incl. next item)
	4042365	1	RING, snap
	905121	1	KEY, armature shaft
26	4042419	1	RETAINER, felt washer
27	{ 4042405	1	HEAD ASSY., drive end (Incl. HEAD & items 28 thru 35)
	{ 4042398	1	HEAD
28	4042372	1	RETAINER, bearing
	900556	3	SCREW
	904203	3	LOCKWASHER
29	4042379	1	WASHER, felt, inner
30	4042371	1	RETAINER, felt washer (inner)
31	4042370	1	GASKET, bearing retainer

Continued



GENERATOR (Cont'd)  
(3rd Type - Standard Generator)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
32	4253862	1	BEARING, ball	
33	4042380	1	WASHER, felt, outer	
34	4042373	1	RETAINER, felt washer (outer)	
35	4042562	1	OILER	
36	4043331	1	PULLEY, drive (plain type)	
	4042369	1	NUT	
	4042344	1	LOCKWASHER	
	4043352	1	REGULATOR, voltage (Not illustrated)	
	902174	3	SCREW	
	904203	3	LOCKWASHER	
37	4736318	1	BRACKET, generator mounting	
	4984854	2	STUD, bracket (to cylinder block)	
	910123	2	NUT	
	904206	2	LOCKWASHER	
38	4736333	2	BRACKET, adjusting	
	905274	1	CAPSCREW, swivel	
	910510	1	NUT	
	904208	1	LOCKWASHER	
	903626	1	CAPSCREW, attaching	
	910335	1	WASHER	
	904205	1	LOCKWASHER	



**GENERATOR**  
(Eff. w/Serial No. 12476000 and up)  
(4th Type - Hi-Output Generator)

				ASSEMBLY PACKAGE	
ITEM	PART NUMBER	QTY.	DESCRIPTION		
-	4700706	1	GENERATOR ASSY., (DR-1100028) (Incl. items 1 thru 43)		
	903772	2	CAPSCREW (to bracket)		
	910323	2	NUT		
	904205	2	LOCKWASHER		
1	4044011	1	FRAME, commutator end (Incl. next 4 items)		
	4042676	1	BUSHING, frame (commutator end)		
	4042649	1	PIN, dowel		
	4044013	1	WICK, oil		
2	4044012	1	OILER, frame		
3	4044014	2	BRUSH		
4	4042628	2	SCREW, brush lead attaching		
5	4042816	2	LOCKWASHER		
6	4042777	2	ARM, brush		
7	4042735	2	WASHER, space		
8	4044016	2	SPRING, brush		
9	4044017	1	HOLDER PACKAGE, ground brush		
10	4044018	1	HOLDER PACKAGE, insulated brush		
11	4044019	1	ARMATURE		
12	4044020	1	COIL ASSY., field (Incl. next item)		
13	4044021	1	CLIP, terminal - to brush		
14	4044022	2	INSULATOR, field coil		
			Continued		

GENERATOR (Cont'd)  
(Eff. w/Serial No. 12476000 and up)  
(4th Type - Hi-Output Generator)

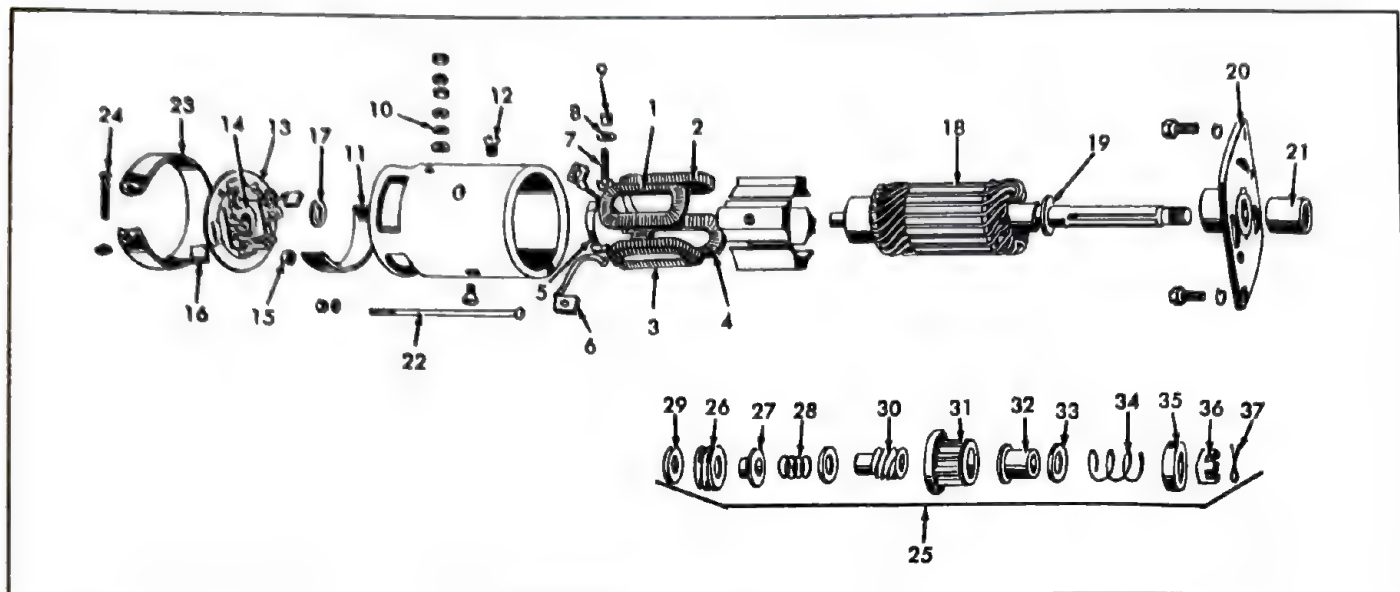
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
15	4044023	2	SHOE, pole	
16	4042717	2	SCREW, pole shoe	
17	4044024	1	STUD, terminal "A"	
18	4044025	1	BUSHING, insulating	
19	4044026	1	STUD, terminal "F"	
20	4044027	1	BUSHING, insulating	
21	4042743	1	WASHER, insulating	
22	4042795	4	WASHER, plain	
23	4044028	4	NUT	
24	4042817	4	LOCKWASHER	
25	4044029	1	SCREW, field frame	
26	4044030	1	LOCKWASHER	
27	4042830	1	FRAME, drive end (Incl. next 2 items)	
28	4044031	1	OILER, frame - drive end	
29	4042650	1	PIN, dowel	
30	4044032	1	BEARING, ball - drive end	
31	4042659	1	WASHER, felt - drive end	
32	4042698	1	PLATE, felt retainer	
33	4042658	1	WASHER, inside space - drive end	
34	4042832	1	GASKET, retainer plate	
35	4042831	1	PLATE, brg. retainer (drive end)	
36	4042815	3	SCREW	
37	4042794	3	LOCKWASHER	
38	4042683	2	BOLT, thru	
39	4044033	2	LOCKWASHER, thru bolt	
40	4042691	1	COLLAR, space - drive end	
41	4502638	1	FAN, generator	
42	4700708	1	PULLEY, generator	
	905121	1	KEY, woodruff	
43	4042642	1	LOCKWASHER	
44	4042647	1	NUT	
45	4736318	1	BRACKET, mounting	
	4984854	2	STUD (To cyl. block)	
	910123	2	NUT	
	904206	2	LOCKWASHER	

Continued

GENERATOR (Cont'd)  
(Eff. w/Serial No. 12476000 and up)  
(4th type - Hi-Output Generator)

ASSEMBLY  
PACKAGE

ITEM	PART NUMBER	QTY.	DESCRIPTION	
46	4736333	2	BRACKET, a djusting	
	905274	1	CAPSCREW, swivel	
	910510	1	NUT	
	904208	1	LOCKWASHER	
	903626	1	CAPSCREW, attaching	
	910335	1	WASHER	
	904205	1	LOCKWASHER	
47	4700707	1	REGULATOR (Not illustrated)	
	4723003	1	PLATE, regulator mounting	
	903625	3	CAPSCREW	
	904204	3	LOCKWASHER	
48	4700723	1	WIRING HARNESS (Generator to regulator)	(Not illustrated)



### STARTER AND BENDIX DRIVE

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4734107	1	STARTER (Incl. items 1 thru 24)	
	903631	2	CAPSCREW	
	904206	2	LOCKWASHER	
	4043249	1	COIL PACKAGE, field (Incl. items 1 thru 5)	
1	4043243	1	COIL, field (upper right)	
2	4043246	1	COIL, field (upper left)	
3	4043244	1	COIL, field (lower right)	
4	4043245	1	COIL, field (lower left)	
5	4050895	2	CONNECTOR, coil	
6	4042473	2	BRUSH, field coil . . . . .	4042480
7	4043239	1	STUD, terminal	
8	4043240	2	WASHER, insulating	
9	4043241	1	BUSHING, insulating	
10	4050896	2	WASHER, plain	
	904204	2	LOCKWASHER	
	910880	2	NUT	
11	4050897	1	INSULATING, field connection	
12	4042529	4	SCREW, pole shoe	
13	{ 4042479	1	HEAD ASSY., commutator end (Incl. next 3 items)	
	{ 4050899	1	OILER	
14	4050898	4	SPRING, brush	
15	4042476	1	FELT, commutator head	
16	4042478	2	BRUSH, grounded . . . . .	4042480
17	4042475	1	WASHER, armature shaft thrust (C.E.)	
18	4043248	1	ARMATURE	

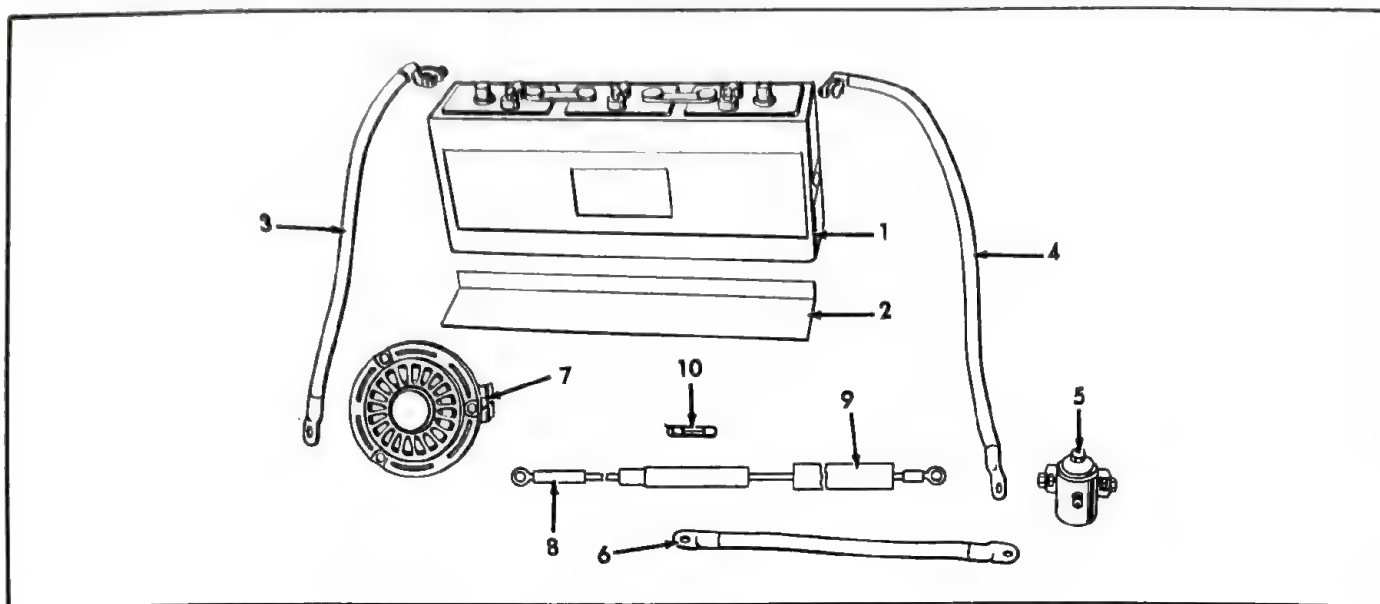
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# STARTER AND BENDIX DRIVE (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION
19	4042521	1	WASHER, armature shaft thrust (D. E.)
20	4043247	1	HEAD ASSY., drive end (Incl. items 21)
21	4042474	1	BEARING, drive end head
22	4043238	2	BOLT, thru
	910251	2	NUT
	904203	2	LOCKWASHER, thru bolt nut -#10
23	4050900	1	BAND, cover
24	4050901	1	SCREW
	917706	1	NUT
25	4044184	1	BENDIX DRIVE ASSY (Incl. items 26 thru 37)
26	4044192	1	SPRING, drive
27	4044655	1	CUP, drive spring
28	4044191	1	SPRING, re-entry
29	4044185	2	WASHER, thrust
30	4044193	1	SCREWSHAFT
31	4044194	1	PINION ASSY., (Incl. COUNTERWEIGHT)
32	4050893	1	SLEEVE, anti-drift spring
33	4044654	1	WASHER, pinion
34	4044190	1	SPRING, anti-drift
35	4044656	1	CUP, stop
36	4044653	1	NUT, starter shaft
37	4050894	1	PIN, cotter

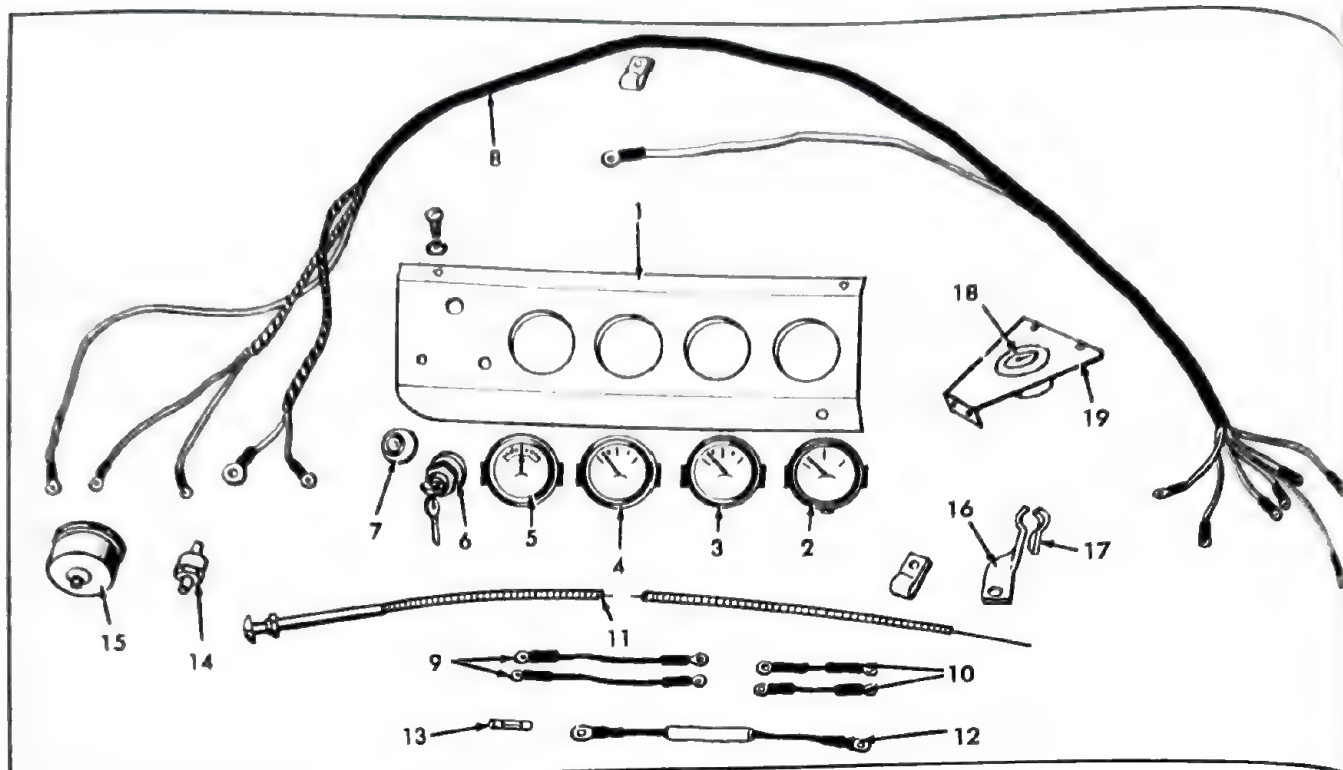
ASSEMBLY  
PACKAGE





### BATTERY, HORN AND CONNECTIONS

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4711203	1	BATTERY	
2	4736258	1	PLATE, battery support	
3	4737078	1	CABLE, battery ground	
4	4735783	1	CABLE, battery (to solenoid switch)	
5	4016793	1	SWITCH, solenoid	
	917072	2	SCREW	
	906965	2	LOCKWASHER	
6	4737081	1	CABLE (Solenoid switch to starter)	
7	4723914	1	HORN	
	905274	1	CAPSCREW	
	904208	1	LOCKWASHER	
	910244	1	WASHER	
8	4735790	1	WIRE, horn (Incl. item 9)	
9	4735788	1	LOOM	
10	4726324	1	FUSE, horn wire (30 amp)	



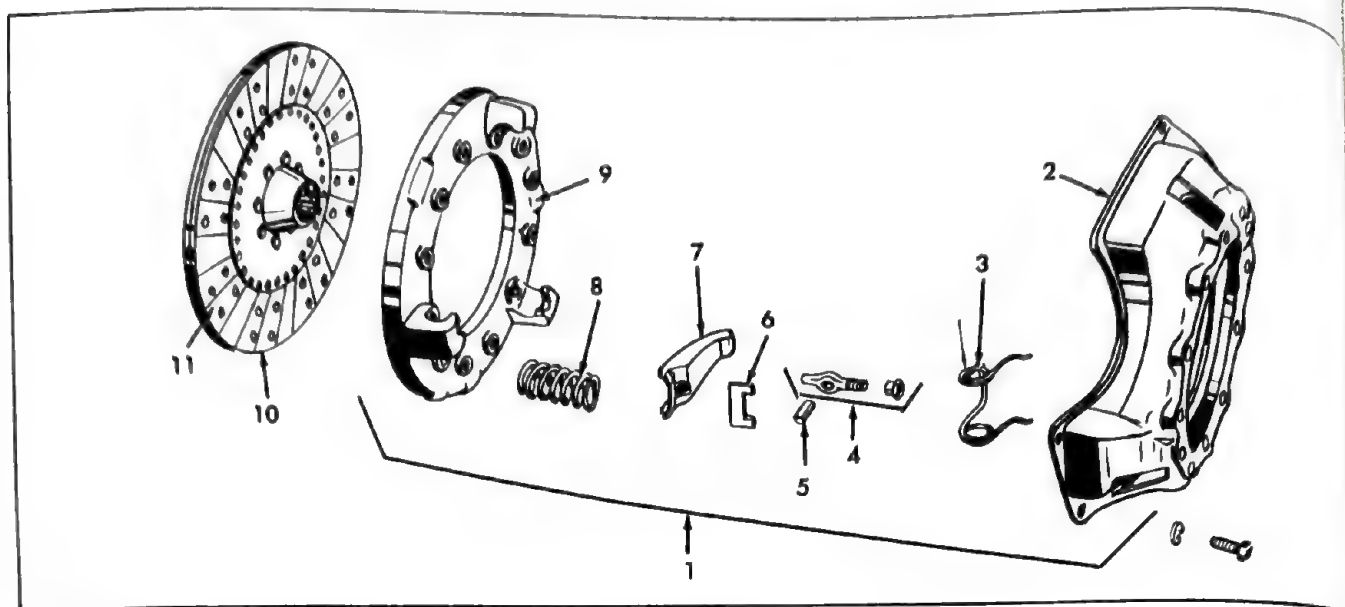
### INSTRUMENT PANEL

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY PACKAGE
1	4735650	1	PANEL, instrument (For FB and FPB units only)	
	4701071	1	PANEL, instrument (For FBL and FPBL units)	
	900576	3	SCREW	
	904204	3	LOCKWASHER	
2	4735669	1	GAUGE, fuel (For FB and FPB units only)	
	4701070	1	PLATE, cover (Fuel gauge opening) (For FBL and FPBL units)	
	917220	3	SCREW, cover plate	
	907154	3	NUT	
	906964	3	LOCKWASHER	
3	4735667	1	GAUGE, water temperature	
4	4710982	1	GAUGE, oil pressure	
5	4735673	1	AMMETER	
6	4734244	1	SWITCH, ignition	
7	4016702	1	BUTTON, starter	
8	4735786	1	HARNESS, wiring	
	917660	1	CLIP	
9	4736182	2	WIRE, jumper - 5"	
10	4736183	2	WIRE, jumper - 3"	

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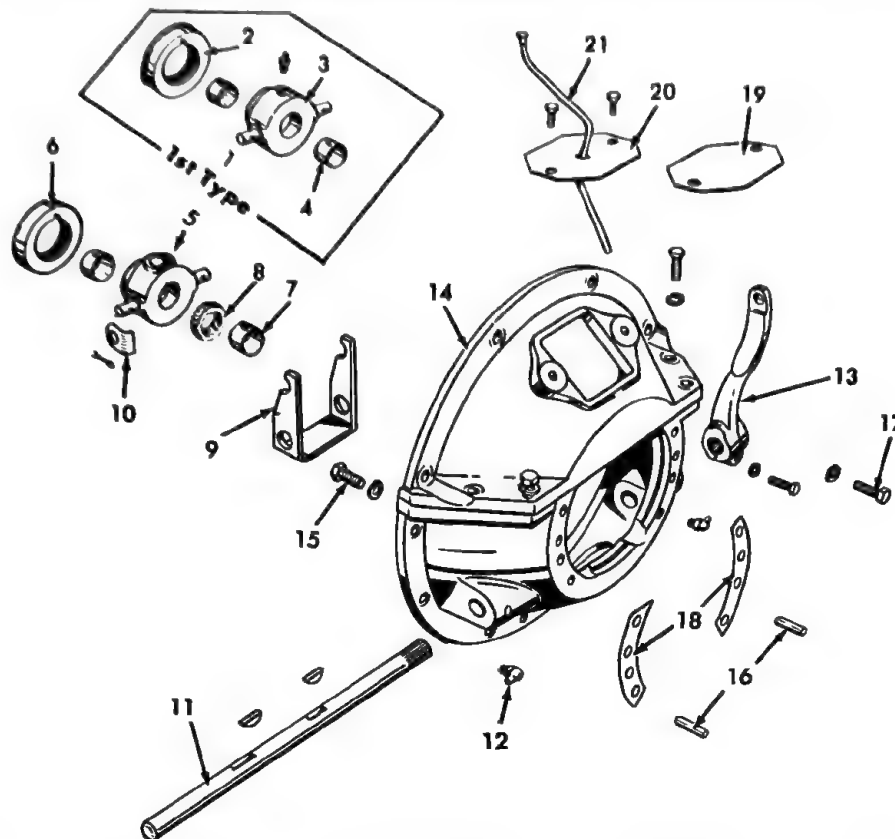
## INSTRUMENT PANEL (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
11	4735791	1	CHOKE ASSY., (For FB and FPB units)	
	4717044	1	CHOKE ASSY., (For FBL and FPBL units)	
	917660	1	CLIP	
12	4734728	1	CABLE, fuse holder	
13	4708379	1	FUSE	
14	4710983	1	SENDER, oil pressure	
15	4736937	1	SENDER, water temperature	
16	4735787	1	BRACKET, choke wire clamp	
17	4016034	1	CLAMP	
	901172	1	SCREW	
	904203	1	LOCKWASHER	
	901310	1	NUT	
18	4720509	1	METER, hour (Incl. SCREW, NUT & LOCKWASHER)	
	900547	3	SCREW	
	901309	3	NUT	
	906963	3	LOCKWASHER	
	4200030	1	TERMINAL	
19	4709823	1	SUPPORT, hour meter	
	900561	2	SCREW, round head	
	904205	2	LOCKWASHER	



### CLUTCH ASSEMBLY

ITEM	PART NUMBER	QTY,	DESCRIPTION	ASSEMBLY PACKAGE NO.
1	4735527	1	COVER ASSY., clutch (Incl. items 2 thru 9) (Prior to Serial No. 10587000)	
	4700730	1	COVER ASSY., clutch (Incl. items 2 thru 9) (Eff. Serial No. 10587000 and Up)	
	903772	6	CAPSCREW	
	904205	6	LOCKWASHER	
2	4984250	1	COVER, clutch	
3	4984251	3	SPRING, anti-rattle	
4	4984252	3	EYE BOLT AND NUT ASSY	
5	4981262	3	PIN, eyebolt	
6	4981263	3	STRUT, release lever	
7	4984253	3	LEVER, release	
8	4984254	6	SPRING, pressure plate (Prior to Serial No. 10587000)	
	4990650	3	SPRING, pressure plate (Eff. Serial No. 10587000 and up)	
9	4984255	1	PLATE, clutch pressure	
10	4735528	1	PLATE ASSY., clutch driven (Prior to Serial No. 10587000)	
	4700731	1	PLATE ASSY., clutch driven (Eff. Serial No. 10587000 and up)	
11	4984256	1	FACING KIT, driven plate (Incl. FACINGS and RIVETS)	



# CLUTCH THROW-OUT ASSEMBLY AND HOUSING

FB 20 24  
0153349

ASSEMBLY OR  
PACKAGE NO.

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	-----	1	CARRIER ASSY., throw-out (1st type) (Incl. items 2 thru 4) (Order item 5)
2	4253343	1	BEARING, throw-out (1st type)
3	4736315	1	CARRIER, bearing (1st type) (Incl. item 4)
4	4707635	2	BUSHING, carrier (1st type)
	914465	1	FITTING, lube
5	{ 4710119	1	CARRIER ASSY., throw-out (2nd type) (Incl. CARRIER & items 6 thru 8)
	{ 4711678	1	CARRIER (Incl. item 7 & 8)
6	4253527	1	BEARING, throw-out
7	4709616	2	BUSHING, carrier (2nd type)
8	4709604	1	SEAL, oil (felt)
9	4707597	1	YOKE, throw-out
10	4707600	1	CLIP (carrier to yoke)
	900802	1	PIN, cotter
11	4707628	1	SHAFT, throw-out
	905123	2	KEY, yoke to shaft
12	915276	2	FITTING, grease

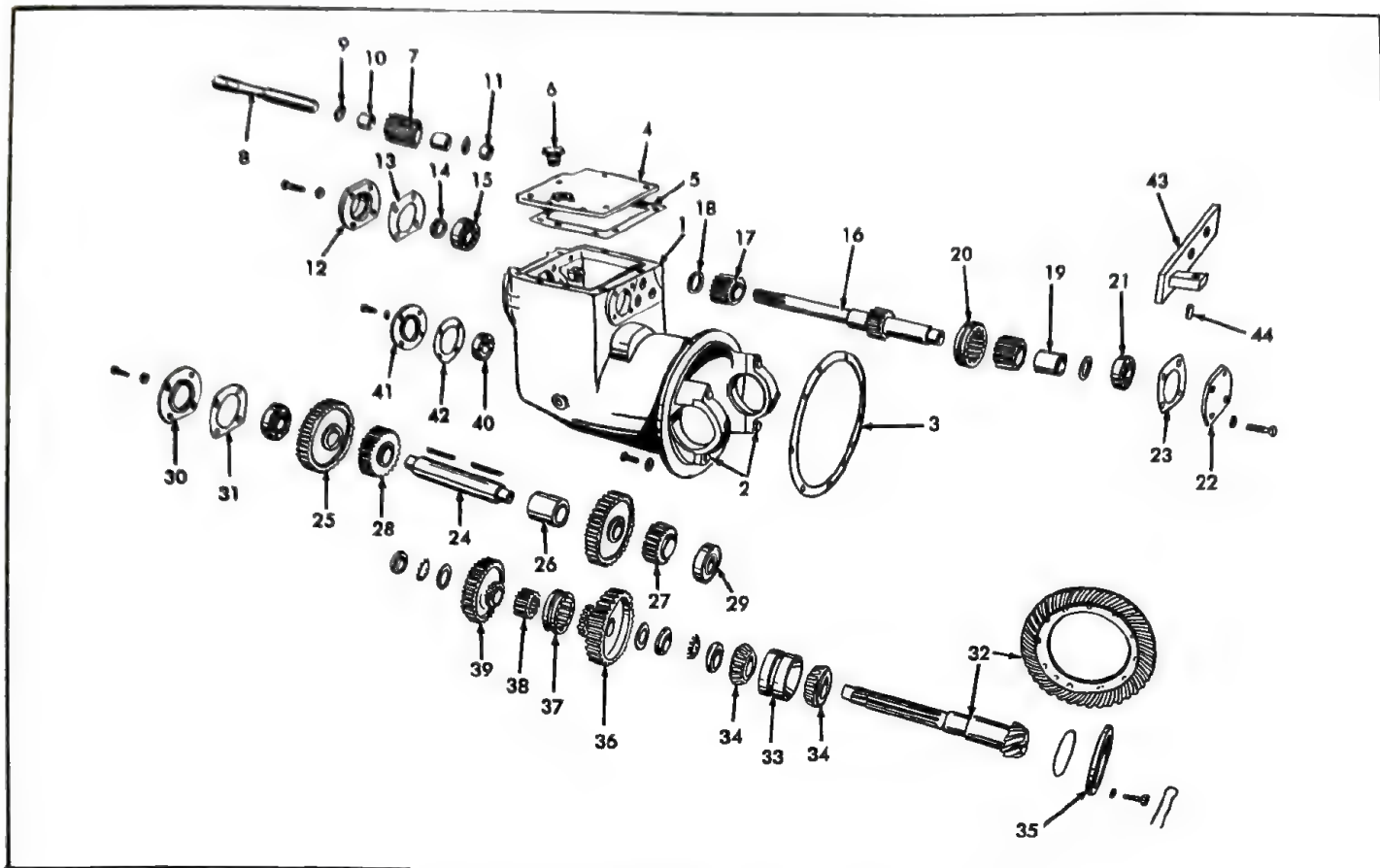
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## CLUTCH THROW-OUT ASSEMBLY AND HOUSING (Cont'd)

ASSEMBLY  
PACKAGE

ITEM	PART NUMBER	QTY.	DESCRIPTION
13	4735679	1	LEVER, shaft
	903772	1	CAPSCREW
	904205	1	LOCKWASHER
14	4712777	1	HOUSING ASSY., clutch (Incl. next 2 items)
	903630	4	CAPSCREW
	904206	4	LOCKWASHER
15	903631	6	CAPSCREW (housing to transmission case)
	904206	6	LOCKWASHER
16	917493	2	PIN, groove
17	903631	10	CAPSCREW (Hsg. to flywheel housing)
	904206	10	LOCKWASHER
18	4710432	2	GASKET (clutch hsg. to trans. case)
19	4707627	1	COVER, inspection (1st type)
	905661	2	CAPSCREW
20	4711601	1	COVER, inspection (2nd type)
21	4710482	1	TUBE ASSY., oiler
	905661	2	CAPSCREW





### TRANSMISSION HOUSING, SHAFT AND GEARS

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4707620	1	HOUSING, transmission (Incl. BEARING CAP & item 2)	
	903630	9	CAPSCREW	
	917264	9	WASHER, copper	
	901653	1	PLUG, oil level	
	904260	1	PLUG, drain	
2	4707639	4	CAPSCREW, bearing cap	
3	4707618	1	GASKET	
4	4707610	1	COVER, top	
	903772	8	CAPSCREW	
	904205	8	LOCKWASHER	
5	4707619	1	GASKET, top cover	
6	4703438	1	BREATHER, transmissions	
7	4707442	1	GEAR, idler	
8	4707590	1	SHAFT, idler gear	
9	4707592	2	WASHER, idler gear	
10	4253262	2	BEARING, needle	
11	4707591	1	SPACER, idler shaft	

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## TRANSMISSION HOUSING, SHAFT AND GEARS (Cont'd)

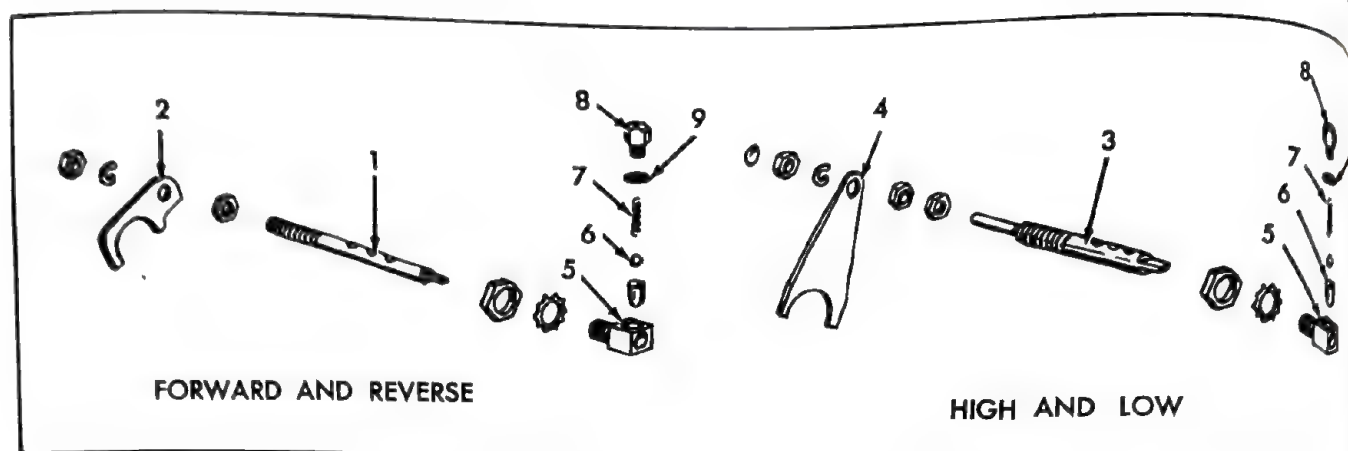
ASSEMBLY  
PACKAGE

ITEM	PART NUMBER	QTY.	DESCRIPTION
12	4707579	1	COVER, rear (input shaft) (1st type)
	903630	4	CAPSCREW, cover
	904206	4	LOCKWASHER
	4707717	*	SHIM (* use as required)
	4710207	1	COVER, rear (input shaft) (2nd type)
	903631	4	CAPSCREW, cover
	904206	4	LOCKWASHER
13	4707613	1	GASKET, rear cover
14	4253341	1	OIL SEAL, rear
15	4253862	1	BEARING, ball, rear (1st Type - Single row)
	4252157	1	BEARING, ball, rear (2nd type - Double Row)
16	-----	1	SHAFT, input (1st type) (Order No. 4710206 and 2nd type items 12, 15, 17 and 19)
	4710206	1	SHAFT, input (2nd type)
17	4707444	2	GEAR (18 tooth) (1st type)
	4710064	2	GEAR (18 tooth) (2nd type)
18	4707582	2	WASHER, bearing
19	4707580	1	SPACER, input shaft (1st Type)
	4707581	1	SPACER, input shaft (2nd Type)
20	4707445	1	GEAR, clutch
21	4253862	1	BEARING, ball, front
22	4707578	1	COVER, front (input shaft)
	903630	2	CAPSCREW
	904206	2	LOCKWASHER
23	4707615	1	GASKET, front cover
24	4707589	1	SHAFT, intermediate
	4708744	2	KEY
25	4707448	2	GEAR, intermediate (47 teeth)
26	4707587	1	SPACER, gear
27	4710676	1	GEAR, intermediate (20 teeth)
28	4707446	1	GEAR, intermediate (32 teeth)
29	4253870	2	BEARING, ball (intermediate shaft)
30	4707588	1	COVER, rear
	903630	4	CAPSCREW
	917264	4	WASHER, copper
31	4707616	1	GASKET, rear cover

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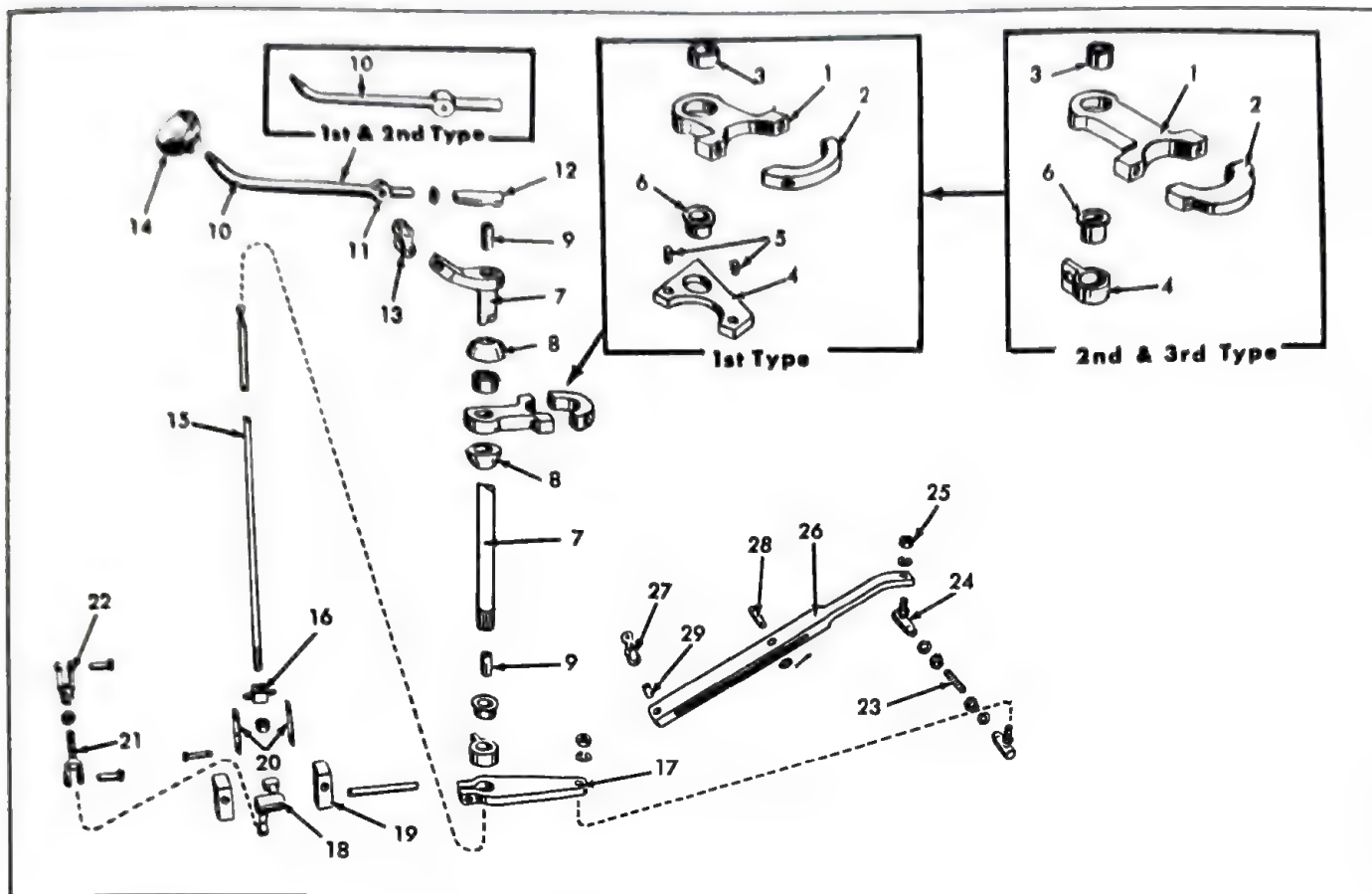
## TRANSMISSION HOUSING, SHAFT AND GEARS (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
32	4707633	1	GEAR ASSY., ring (Incl. PINION SHAFT)	
	4735627	10	CAPSCREW	
	4737617	1	LOCKWIRE	
	917494	2	PIN, groove	
33	4253369	1	CUP, bearing	
34	4253342	2	CONE, bearing	
	4331040	2	LOCK NUT, bearing	
	4253299	1	WASHER, locknut	
35	4707602	1	RETAINER, bearing	
	4805174	4	CAPSCREW	
	904206	4	LOCKWASHER	
	4737615	1	LOCKWIRE, capscrow (15")	
	4707612	*	SHIM, retainer (* use as required)	
36	4710677	1	GEAR, output	
	4707604	1	WASHER, front	
37	4707452	1	GEAR, clutch (outer)	
38	4707441	1	CARRIER, clutch gear	
39	4707451	1	GEAR, output	
	4707605	1	WASHER, rear	
	4127709	1	LOCKNUT, rear	
	4127686	1	WASHER, rear	
40	4253862	1	BEARING, ball (output shaft, rear)	
41	4707606	1	COVER, rear	
	903630	4	CAPSCREW	
	917264	4	WASHER, copper	
42	4707614	1	GASKET, rear cover	
43	4709131	1	BRACKET, mounting (shifting crossbar) (Incl. item 44)	
	903632	2	CAPSCREW	
	904206	3	LOCKWASHER	
44	4735978	1	BUSHING, bracket	



### TRANSMISSION SHIFTER FORKS AND SHAFTS

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY PACKAGE
1	4707586	1	SHAFT, shifter	
2	4707585	1	FORK, shift	
	910345	2	NUT, retaining	
	904209	1	LOCKWASHER	
3	4707595	1	SHAFT, shifter	
	910001	1	PLUG, expansion	
4	4707594	1	FORK, shift	
	910345	3	NUT, retaining	
	904209	1	LOCKWASHER	
5	4707584	2	BEARING, shifter shaft	
	911193	2	NUT, retaining (bearing)	
	913107	2	WASHER	
6	4707626	2	PLUNGER, detent	
	915771	2	BALL, plunger	
7	4707629	2	SPRING, detent	
8	4707583	2	CAP, detent	
9	4708411	2	SPACER	



### TRANSMISSION SHIFT CONTROL

- \* 1st Type, Used w/1st type Steering Gear #4734173  
 \*\* 2nd Type, Used w/2nd type Steering Gear #4709651 and shifting arm #4735734  
 \*\*\* 3rd Type, Used w/3rd type Steering Gear #4709651 and shifting arm #4709127  
 (with removable connecting link spacer #4709182)

ITEM	PART NUMBER	* QTY.	**	***	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4735763	1	-	-	BRACKET, tube mtg. (upper) (Incl. item 3)	
	4709824	-	1	-	BRACKET, tube mtg. (upper) (Incl. item 3)	
	4715081	-	-	1	BRACKET, tube mtg. (upper) (Incl. item 3)	
2	4735731	1	-	-	CLAMP, bracket	
	4709810	-	1	-	CLAMP, bracket	
	4715085	-	-	1	CLAMP, bracket	
	912771	2	2	2	CAPSCREW	
	904205	2	2	2	LOCKWASHER	
3	4735757	1	1	-	BUSHING, upper bracket	
	4709219	-	-	1	BUSHING, upper bracket	

Continued

# TRANSMISSION SHIFT CONTROL (Cont'd)

\* 1st Type, Used w/1st type Steering Gear #4734173  
 \*\* 2nd Type, Used w/2nd type Steering Gear #4709651 and shifting arm #4735734  
 \*\*\* 3rd Type, Used w/3rd type Steering Gear #4709651 and shifting arm #4709127  
 (with removable connecting link spacer #4709182)

ITEM	PART NUMBER	QTY.			DESCRIPTION	ASSEMBLY PACKAGE NO.
		*	**	***		
4	4735762	1	-	-	BRACKET, tube mtg. (lower) (Incl. item 6)	
	4709828	-	1	-	BRACKET, tube mtg. (lower) (Incl. item 6)	
	4714977	-	-	1	BRACKET, tube mtg. (lower) (Incl. item 6)	
	903634	2	-	-	CAPSCREW	
	915857	-	1	1	CAPSCREW	
	910335	-	-	1	WASHER	
	904206	2	-	-	LOCKWASHER	
5	904205	-	-	1	LOCKWASHER	
	4728434	2	-	-	SPACER, lower bracket	
6	4735758	1	1	-	BUSHING, lower bracket	
	4709219	-	-	1	BUSHING, lower bracket	
7	4735759	1	1	-	TUBE ASSY, outer (Incl. item 9)	
	4708784	-	-	1	TUBE ASSY, outer (Incl. item 9)	
8	4735733	2	2	-	COLLAR, tube	
	4708794	-	-	2	COLLAR, tube	
	912593	2	2	2	SETSCREW	
9	4735795	2	2	-	BUSHING, outer tube	
	4736894	-	-	2	BUSHING, outer tube	
10	4735734	1	1	-	ARM, shifting	
	4709127	-	-	1	ARM, shifting (Incl. BALL SEAT & SCREW)	
	4708778	-	-	1	SEAT, ball	
	4708779	-	-	1	SCREW, adjusting	
11	4709182	-	-	1	SPACER, connecting link	
12	4735764	1	1	-	JOINT, ball, shifting arm (Incl. SLEEVE, SLUG & SHELL)	
	910329	1	1	-	NUT, check	
	4984045	1	1	-	SLEEVE, sliding	
	4984046	1	1	-	SLUG, threaded	
	4984047	1	1	-	SHELL	
	4250571	1	1	-	LINK, connecting	
13	4250681	-	-	1	LINK, connecting	
14	4811110	1	1	1	KNOB, shifting	
15	4735737	1	1	-	SHAFT, shifting	
	4708792	-	-	1	SHAFT, shifting	

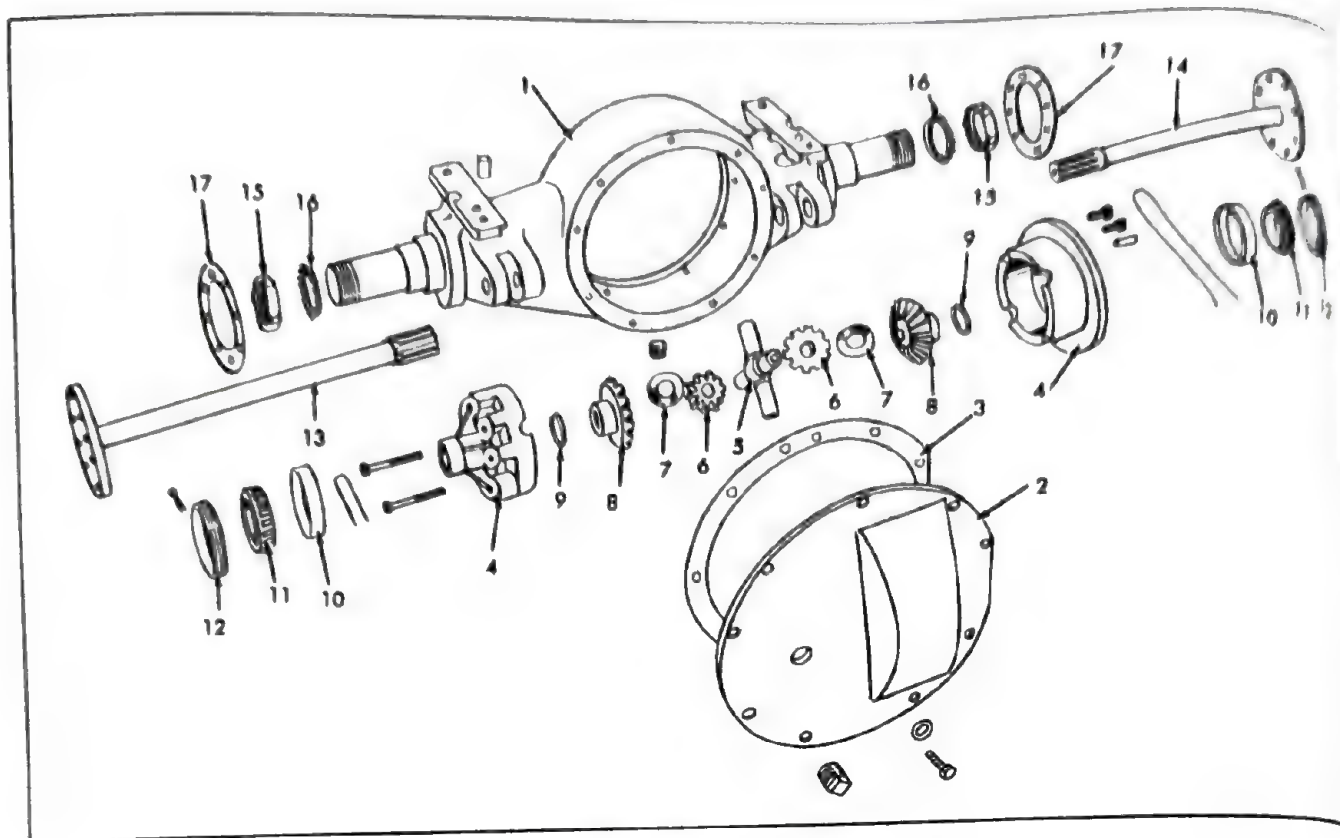
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# TRANSMISSION SHIFT CONTROL (Cont'd)

\* 1st Type, Used w/1st type Steering Gear #4734173  
 \*\* 2nd Type, Used w/2nd type Steering Gear #4709651 and shifting arm #4735734  
 \*\*\* 3rd Type, Used w/3rd type Steering Gear #4709651 and shifting arm #4709127  
 (with removable connecting link spacer #4709182)

ITEM	PART NUMBER	QTY.			DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**	***		
16	4735738	1	1	1	END, shaft	
	910123	1	1	1	NUT	
	904206	1	1	1	LOCKWASHER	
17	4735739	1	1	-	LEVER, shifting (lower)	
	4715134	-	-	1	LEVER, shifting (lower)	
	915857	1	1	1	CAPSCREW	
	910323	1	1	1	NUT	
	904205	1	1	1	LOCKWASHER	
18	4735741	1	1	1	BELLCRANK, shifting	
	4735743	1	1	1	PIN, hinge	
	913168	2	2	2	WASHER	
	900801	2	2	2	PIN, cotter	
19	4735472	2	2	2	LUG, bellcrank mounting	
	912771	2	2	2	CAPSCREW	
	904205	2	2	2	LOCKWASHER	
20	4735740	2	2	2	LINK, bellcrank connecting	
	4735769	1	1	1	PIN, link	
	913168	1	1	1	WASHER, flat	
	900801	1	1	1	PIN, cotter	
21	4735767	1	1	1	YOKE, shifting (to bellcrank)	
22	917663	1	1	1	YOKE	
	910233	1	1	1	NUT	
	917645	1	1	1	PIN, yoke	
	904001	2	2	2	PIN, cotter	
23	4735801	1	1	1	STUD, shifting link	
24	4735040	2	2	2	JOINT, ball, shifting link	
	910980	2	2	2	NUT, check	
25	910233	2	2	2	NUT, link retaining	
	904205	2	2	2	LOCKWASHER	
26	4375980	1	1	1	CROSSBAR ASSY., shifting (Incl. item 29)	
27	4250571	1	1	1	LINK, crossbar connecting	
28	917645	1	1	1	PIN, connecting	
	910335	1	1	1	WASHER	
	904001	1	1	1	PIN, cotter	
29	4735978	1	1	1	BUSHING, crossbar	



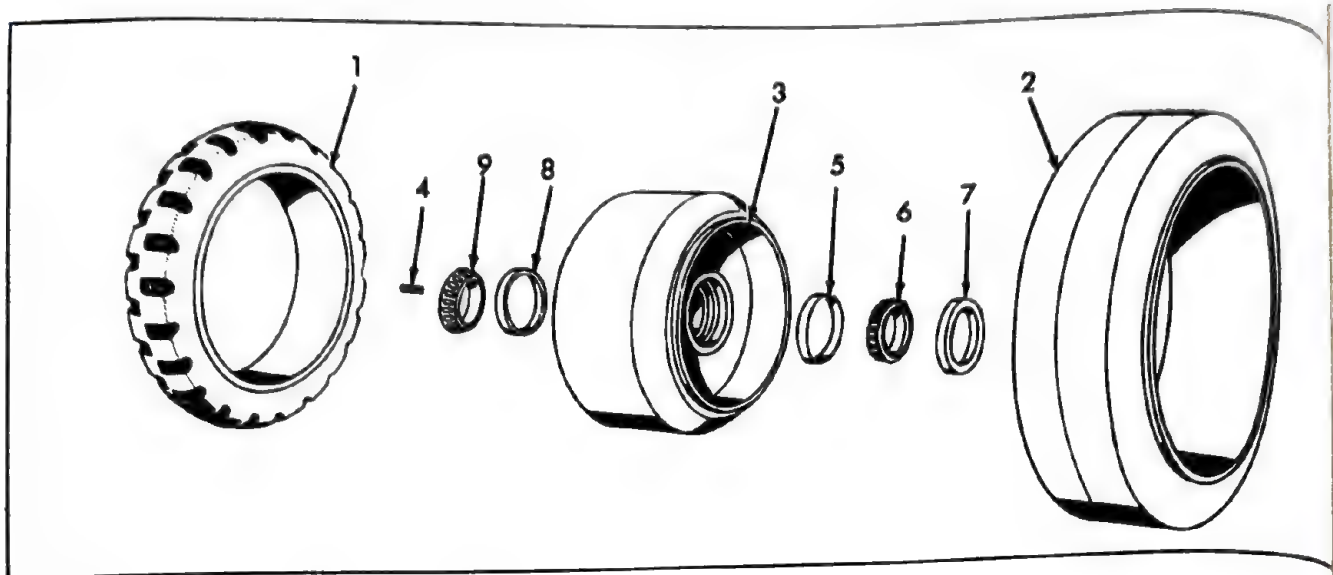
### DRIVE AXLE AND DIFFERENTIAL

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY PACKAGE
1	4735173	1	HOUSING, axle	
	903630	9	CAPSCREW	
	917264	9	WASHER, copper	
	904223	1	PLUG, drain	
	4735232	2	DOWEL, (housing to frame)	
2	4707638	1	COVER, housing	
	903629	9	CAPSCREW	
	917264	9	WASHER, copper	
	912725	1	PLUG, pipe	
3	4707618	1	GASKET, cover	
4	4707636	1	DIFFERENTIAL ASSY (Incl. CASE & items 5 thru 9)	
	4711610	1	CASE ASSY., (Incl. CAPSCREWS)	
	4707713	8	CAPSCREW	
	4306610	1	LOCKWIRE	
5	4707710	1	SPIDER, pinion gear	
6	4707709	4	GEAR, pinion	
7	4707711	4	SPACER, pinion gear	
8	4707708	2	GEAR, side	
9	4707712	2	SPACER, side gear	
10	4253370	2	CUP, bearing	

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# DRIVE AXLE AND DIFFERENTIAL (Cont'd)

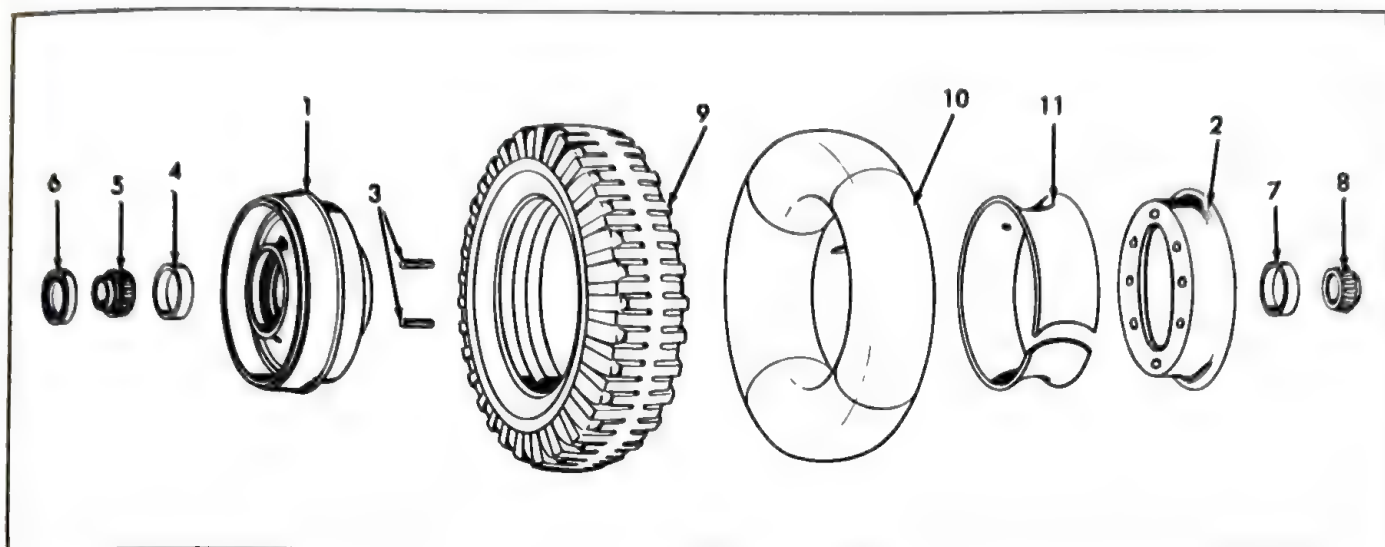
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
11	4253353	2	CONE, bearing	
12	4707603	2	NUT, adjusting, bearing	
	900810	2	PIN, cotter	
13	4703119	1	SHAFT, axle (R.H.)	
14	4703120	1	SHAFT, axle (L.H.)	
15	4253351	2	LOCKNUT, bearing (Drive wheel)	
16	4253352	2	LOCKWASHER	
17	4707617	2	GASKET, axle shaft (to wheel)	



DRIVE WHEEL ASSEMBLY  
(Models FB-FBL20)

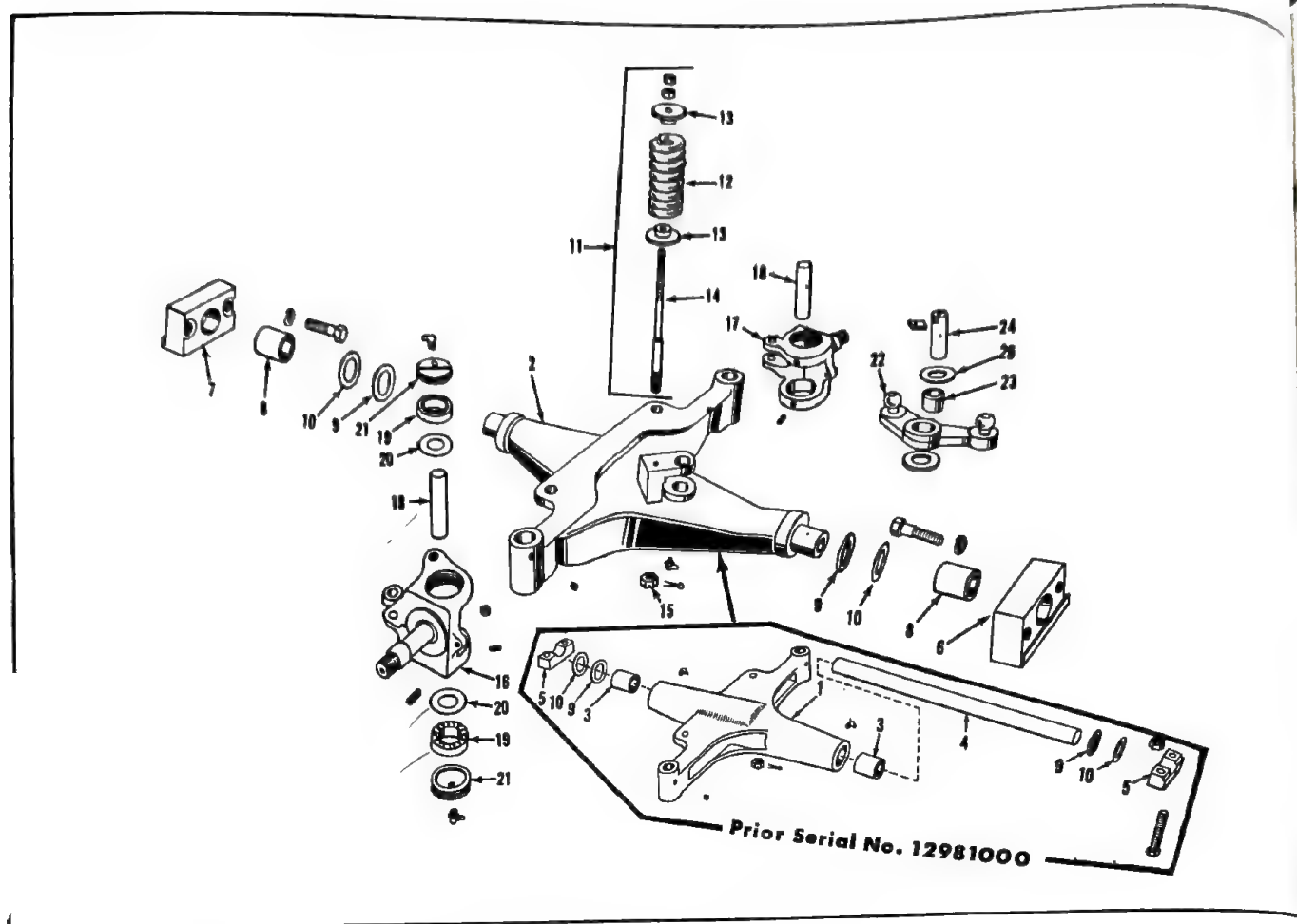
ASSEMBLY  
PACKAGE

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	4713033	2	TIRE, cushion (17-3/4 x 5 x 12-1/8")
2	4712976	2	TIRE, solid (17 x 5 x 12-1/8")
3	4735179	2	WHEEL, drive
4	4734455	16	STUD, drive wheel
	4723808	16	NUT, stud
	4254501	16	WASHER, copper
5	4253049	2	CUP, bearing, inner
6	4253051	2	CONE, bearing, inner
7	4253052	2	OIL SEAL, bearing, inner
8	4250061	2	CUP, bearing, outer
9	4253050	2	CONE, bearing, outer



**DRIVE WHEEL ASSEMBLY**  
(Models FPB-FPBL)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4735557	2	HUB, wheel and rim	
2	4734601	2	DISC, wheel (outer)	
	912187	16	CAPSCREW (disc to hub)	
	904207	16	LOCKWASHER	
3	4734455	16	STUD, drive wheel	
	4723808	16	NUT, wheel stud	
	4254501	16	WASHER, copper	
4	4253049	2	CUP, bearing, inner	
5	4253051	2	CONE, bearing, inner	
6	4253052	2	OIL SEAL, bearing (inner)	
7	4250061	2	CUP, bearing, outer	
8	4253050	2	CONE, bearing, outer	
9	{-----	2	TIRE, pneumatic (6:00 x 9 x 10) (Obtain locally)	
	{4718075	2	TIRE, laminated (6:00 x 9)	
10	-----	2	TUBE, tire, pneumatic (6:00 x 9) (Obtain locally)	
11	-----	2	FLAP, tire, pneumatic (Obtain locally)	



### STEER AXLE ASSEMBLY

\* 1st Type Axle Assembly (Prior to Serial No. 12981000)

\*\* 2nd Type Axle Assy., (Center Point Steering) (Prior to Serial No. 12981000)

\*\*\* 3rd Type Axle Assembly. (Eff. w/Serial No. 12981000 and up)

ITEM	PART NUMBER	QTY.			DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**	***		
1	4734069	1	-	-	AXLE, steer (Incl. item 3)	
	915276	2	-	-	FITTING, lube	
2	4709506	-	1	-	AXLE, steer	
	4739318	-	-	1	AXLE, steer (Incl. PIVOT ARM PIN BUSHINGS)	
	4737966	-	-	2	BUSHING (Pivot arm pin)	
3	4734097	2	-	-	BUSHING, axle	
4	4734080	1	-	-	TRUNNION, axle	
5	4734031	2	-	-	BLOCK, trunnion mounting	
	917060	4	-	-	CAPSCREW	
	4734552	4	-	-	LOCKNUT	
6	4709752	-	1	1	BLOCK, axle mounting (front) (Incl. item 8)	
	905819	-	2	2	CAPSCREW	
	904209	-	2	2	LOCKWASHER	
	915276	-	1	1	FITTING, lube	

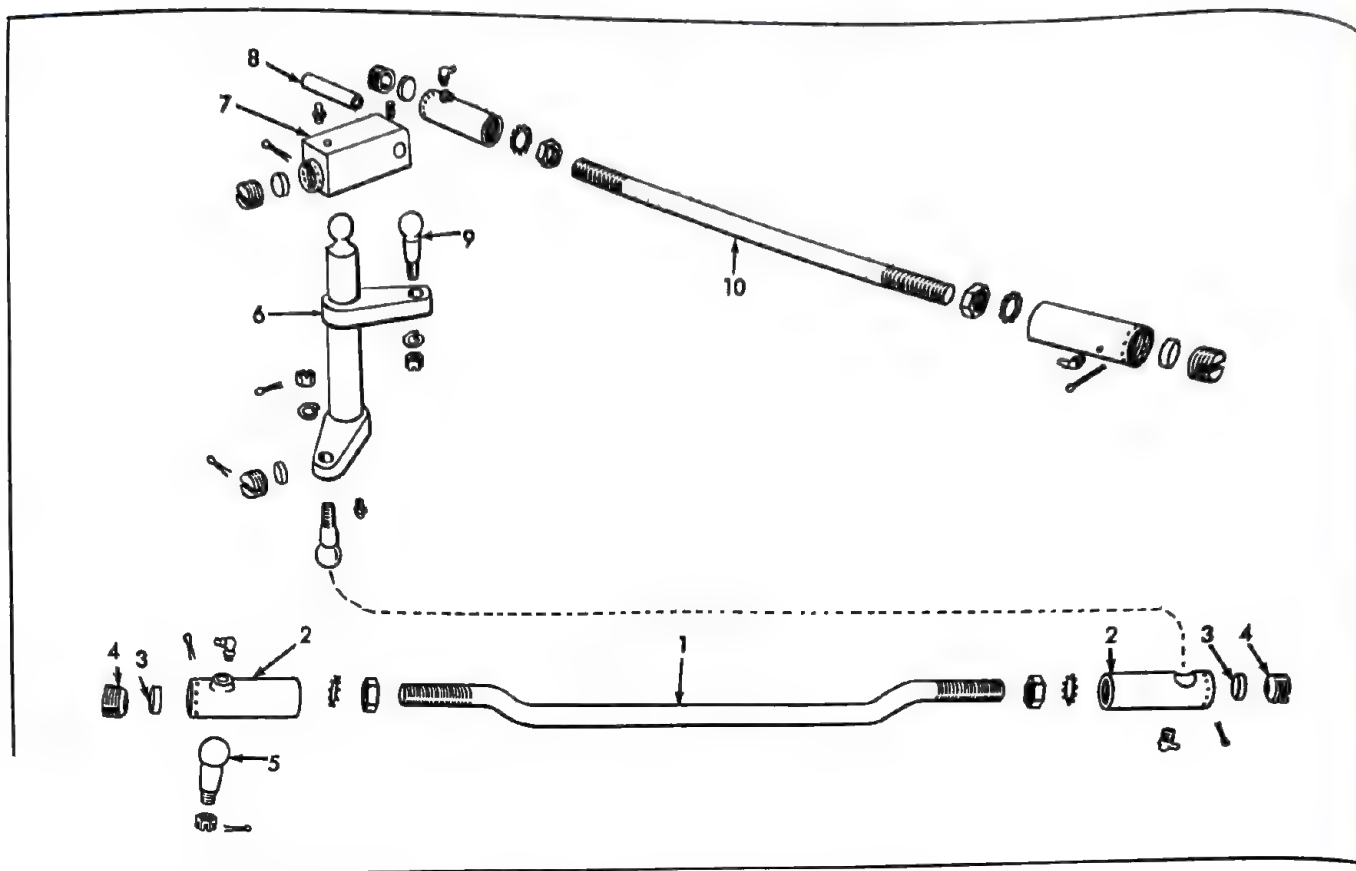
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# STEER AXLE ASSEMBLY (Cont'd)

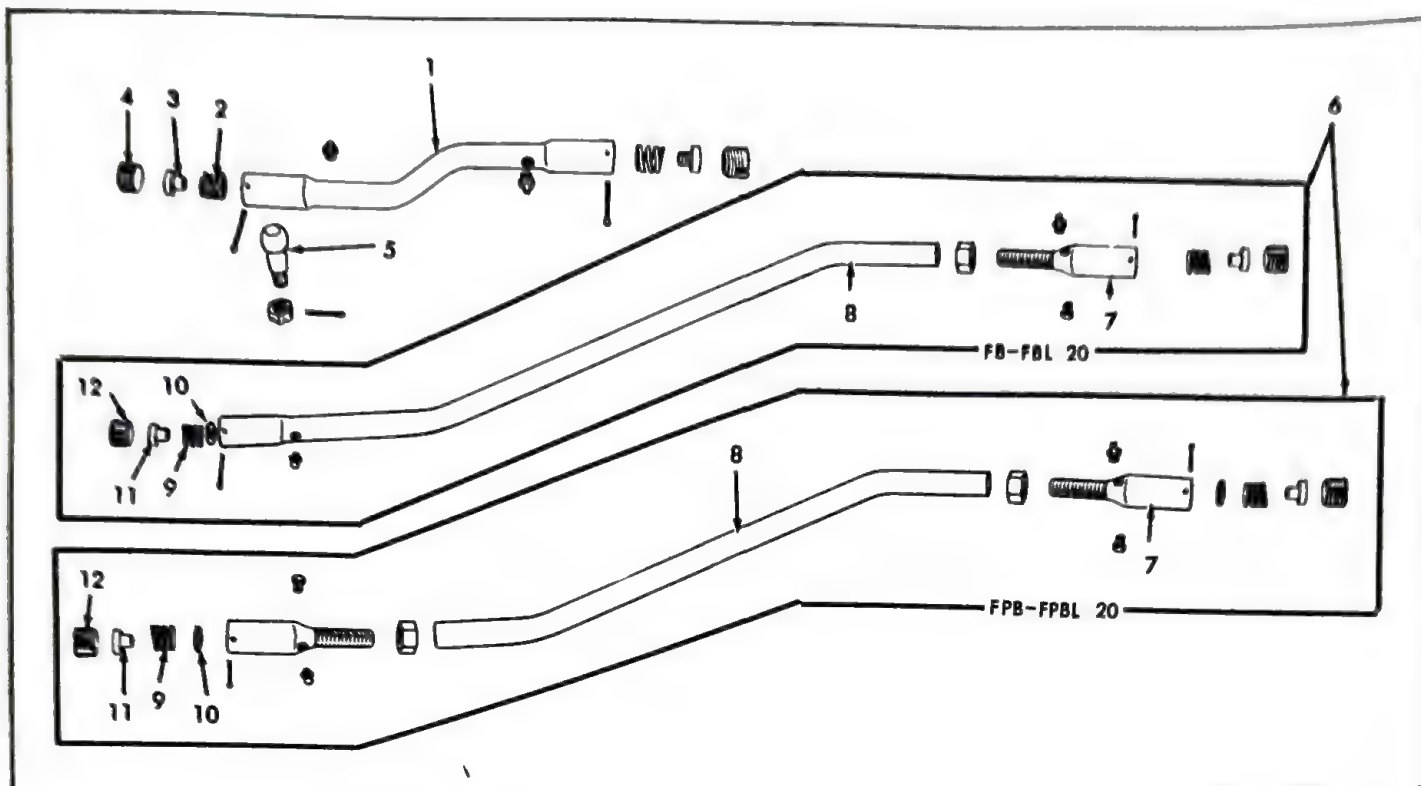
\* 1st Type Axle Assembly (Prior to Serial No. 12981000)  
 \*\* 2nd Type Axle Assembly (Center Point Steering) (Prior to Serial No. 12981000)  
 \*\*\* 3rd Type Axle Assembly (Eff. w/Serial No. 12981000 and up)

ITEM	PART NUMBER	*	QTY. **	***	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
7	4709750	-	1	1	BLOCK, axle mounting (rear) (Incl. item 8)	
	905819	-	2	2	CAPSCREW	
	904209	-	2	2	LOCKWASHER	
	915276	-	2	2	FITTING, lube	
8	4709830	-	2	2	BUSHING, mounting block	
9	4736217	2	2	2	WASHER, axle	
10	4736117	*	*	*	SHIM, axle (* Use as required)	
11	4735523	2	2	2	SPRING ASSY., axle (Incl. items 13 thru 15)	
12	4737215	2	2	2	SPRING	
13	4735524	4	4	4	GUIDE, spring	
14	4735525	2	2	2	STUD	
	910325	4	4	4	NUT	
15	915318	2	2	2	NUT, spring attaching	
	910147	2	2	2	PIN, cotter	
16	4735625	1	1	1	KNUCKLE, steering (RH)	
	902206	1	1	1	SETSCREW, adjusting	
	912772	1	1	1	NUT, check	
17	4735626	1	1	1	KNUCKLE, steering (LH)	
	902206	1	1	1	SETSCREW, adjusting	
	912772	1	1	1	NUT, check	
18	4734077	2	2	2	PIN, king	
	902870	2	2	2	SETSCREW, retaining	
19	4253117	4	4	4	BEARING, knuckle	
	915276	4	4	4	FITTING, lube	
20	4734079	4	4	4	RETAINER, grease, bearing	
21	4734076	4	4	4	CAP, adjusting, bearing	
	912235	4	4	4	SETSCREW	
22	{ 4709514	-	1	-	ARM, steering pivot (Incl. item 23)	
	{ 4739254	-	-	1	ARM, steering pivot	
23	4701456	-	1	-	BUSHING, pivot arm	
24	{ 4706822	-	1	-	PIN, pivot arm	
	{ 4709594	-	1	-	PIN, lock	
	{ 903629	-	1	-	CAPSCREW	
	{ 904206	-	1	-	LOCKWASHER	
	{ 4739253	-	-	1	PIN, pivot arm	
	{ 4737967	-	-	1	BOLT, wedge	
	{ 910325	-	-	1	NUT	
	{ 904208	-	-	1	LOCKWASHER	
25	4709646	-	2	2	SPACER, pivot arm	



**DRAG LINK, STEERING BELLCRANK & CONNECTIONS**  
 (Models FB-FPB20)  
 (For Use With 1st Type Steer Axle Only)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4735529	1	LINK, drag	
2	4735946	4	SLEEVE, drag link	
	910847	4	NUT, jam	
	910200	4	LOCKWASHER	
	915276	4	FITTING, lube	
3	4737195	6	SEAT, ball	
4	4737242	6	SEAT, adjustable ball	
	900809	6	PIN, cotter	
5	4736157	1	BALL STUD, drag link (to knuckle)	
	910867	1	NUT	
	900802	1	PIN, cotter	
6	4735427	1	BELLCRANK, steering (FB20)	
	4736131	1	BELLCRANK, steering (FPB20)	
	914465	2	FITTING, lube	
7	4735281	1	ADAPTER, swivel (bellcrank)	
8	4735283	1	PIN (to frame)	
	912237	1	SETSCREW	
9	4734581	2	BALL STUD, bellcrank	
	910867	2	NUT	
	904208	2	LOCKWASHER	
	900802	2	PIN, cotter	
10	4734664	1	LINK, pitman arm	80



**DRAG LINK ASSEMBLY**  
(Used w/2nd and 3rd Type Axles)

\* FB-FBL20  
\*\* FPB-FPBL20

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
1	4709561	1	1	LINK ASSY, drag (short) (Incl. items 2 thru 4)	
	914465	2	2	FITTING, lube	
2	4981817	2	2	SPRING	
3	4981816	2	2	SEAT, ball	
4	4981820	2	2	PLUG, adjusting	
	904002	2	2	PIN, cotter	
5	4736157	1	1	BALL, STUD, drag link (to knuckle)	
	910867	1	1	NUT	
	904208	1	1	LOCKWASHER	
	900802	1	1	PIN, cotter	
6	4748987	1	-	LINK ASSY., drag (long) (Incl. items 7 thru 12)	
	4716537	-	1	LINK ASSY., drag (long) (Incl. items 7 thru 12)	
	915276	1	1	FITTING, lube	
	914465	1	1	FITTING, lube	
	901651	1	2	PLUG, pipe	
7	4706828	1	2	SOCKET ASSY., drag link (Incl. items 8 thru 12)	
	910847	1	2	NUT, check	
8	4984042	1	2	SHELL, socket	
9	4981817	2	2	SPRING	

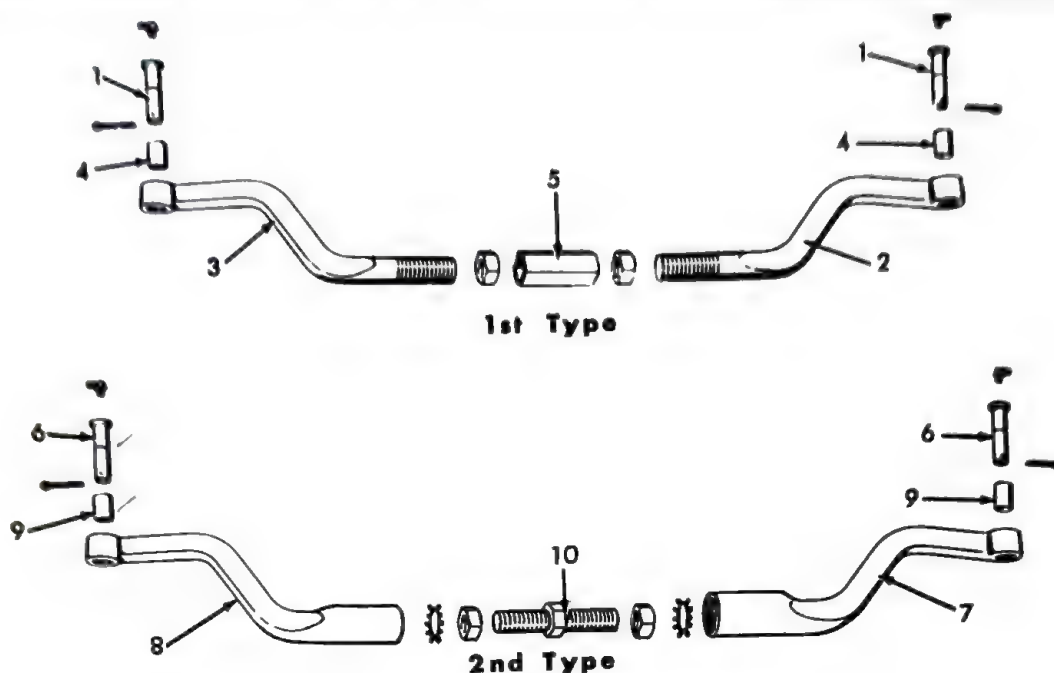
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DRAG LINK ASSEMBLY (cont'd)  
(Used w/2nd and 3rd Type Axles)

\* FB-FBL20  
\*\* FPB-FPBL20

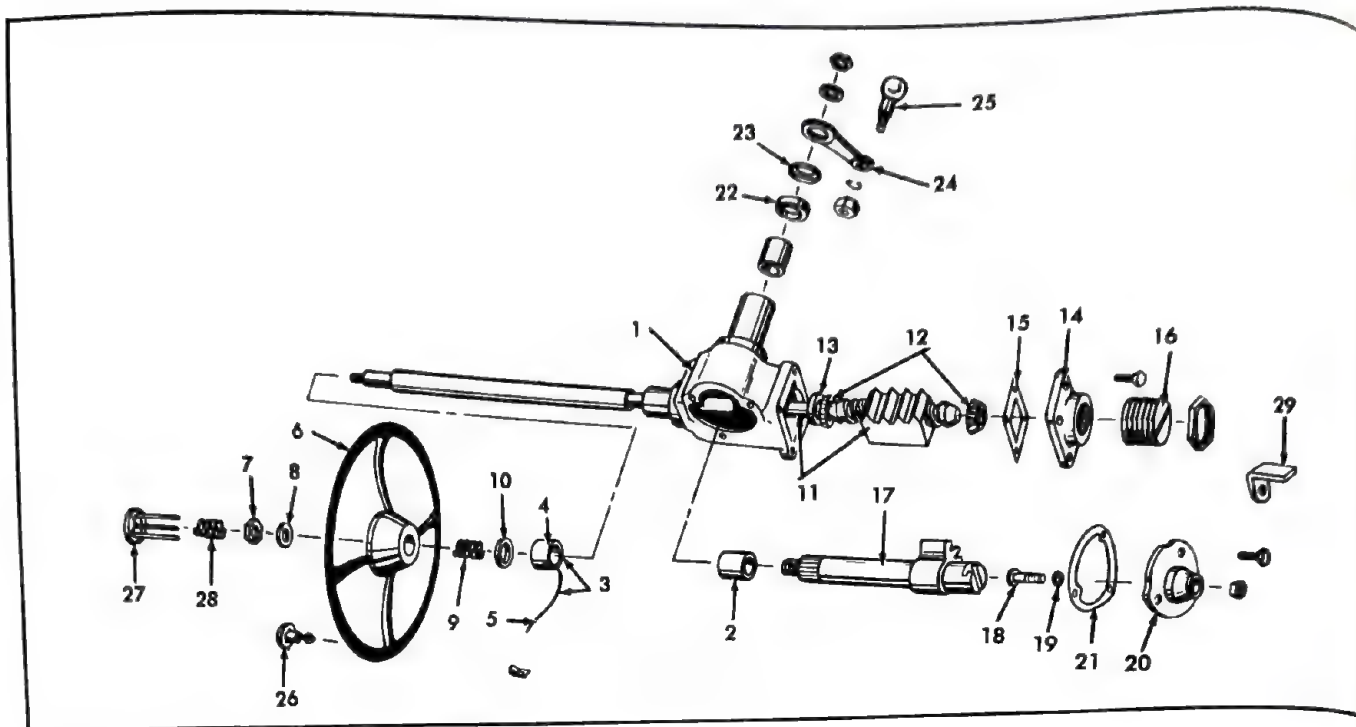
ITEM	PART NUMBER	QTY.		DESCRIPTION
		*	**	
10	4981819	1	2	WASHER, spacer
11	4981816	2	2	SEAT, ball
12	4981820	2	2	PLUG, adjusting
	917357	2	2	PIN, cotter

ASSEMBLY OR  
PACKAGE NO.



### TIE ROD ASSEMBLY

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
FIRST TYPE				
-	4735545	1	ROD ASSY, tie (Incl. items 1 thru 5)	
1	4734078	2	PIN, tie rod	
	900806	2	PIN, cotter	
	4253068	2	FITTING, lube	
2	4735539	1	ROD, tie, R.H. (Incl. item 4)	
	4735536	1	NUT, check	
3	4735538	1	ROD, tie, L.H. (Incl. item 4)	
	4735588	1	NUT, check	
4	4734083	2	BUSHING, tie rod	
5	4735537	1	TURNBUCKLE	
SECOND TYPE				
-	4709224	1	ROD ASSY., tie (Incl. items 6 thru 10)	
6	4734078	2	PIN, tie rod	
	900806	2	PIN, cotter	
	4253068	2	FITTING, lube	
7	4709190	1	ROD, tie, R.H. (Incl. item 9)	
	910365	1	NUT, check	
	913107	1	LOCKWASHER	
8	4709189	1	ROD, tie, L.H. (Incl. item 9)	
	917190	1	NUT, check	
	913107	1	LOCKWASHER	
9	4734083	2	BUSHING, tie rod	
10	4709139	1	TURNBUCKLE	



STEERING GEAR ASSEMBLY  
(1st Type, Saginaw No. 5662112)

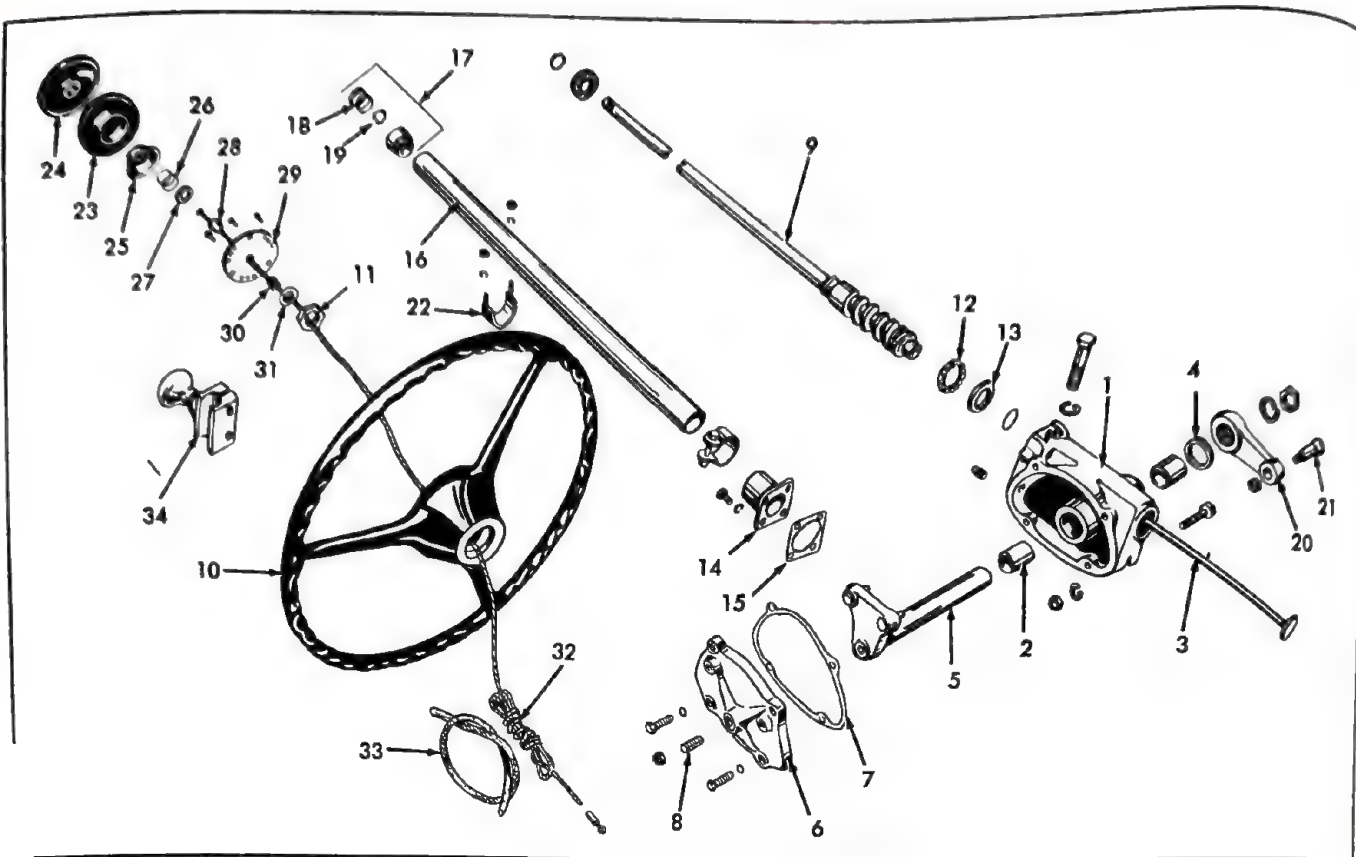
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4734173	1	GEAR ASSY., steering (Incl. items 1 thru 5 and 7 thru 23)	
	4734082	1	CAPSCREW	
	903792	1	CAPSCREW	
	900819	1	WASHER, flat	
	904209	2	LOCKWASHER	
1	4984267	1	HOUSING, gear (Incl. items 2 thru 5)	
	915739	1	PLUG, grease filler	
2	4984268	2	BUSHING	
3	4984269	1	BEARING AND CABLE ASSY., upper (Incl. items 4 and 5)	
4	4984270	1	BEARING, upper	
5	4984271	1	CABLE, horn	
	4984272	1	CLAMP, cable	
6	4734174	1	WHEEL, steering	
	910210	1	LOCKWASHER	
7	913177	1	NUT	
8	4984273	1	WASHER	
9	4984274	1	SPRING, upper bearing	
10	4984275	1	SEAT, spring	
11	4984276	1	SHAFT and WORM	
12	4984277	2	BEARING, thrust	
13	4984278	1	CUP, bearing	

Continued



STEERING GEAR ASSEMBLY (Cont'd)  
(1st Type, Saginaw No. 5662112)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
14	4984279	1	COVER, housing end	
	903630	4	CAPSCREW	
	904206	4	LOCKWASHER	
15	4984280	1	GASKET, end cover	
16	4984281	1	ADJUSTER, bearing	
	4984282	1	LOCKNUT	
17	4984283	1	SHAFT, pitman	
18	4984286	1	ADJUSTER, lock (pitman shaft)	
	910876	1	NUT, lock	
19	4984287	*	SHIM, adjuster (.063) (* Use as required)	
	4984288	*	SHIM, adjuster (.065) (* Use as required)	
	4984289	*	SHIM, adjuster (.067) (* Use as required)	
	4984290	*	SHIM, adjuster (.069) (* Use as required)	
20	4984284	1	COVER, side (housing)	
	903629	3	CAPSCREW	
	904206	3	LOCKWASHER	
21	4984285	1	GASKET, cover	
22	4984291	1	PACKING, shaft, pitman	
23	4984292	1	RETAINER, packing	
24	4735816	1	ARM, pitman	
	4984293	1	NUT	
	904369	1	LOCKWASHER	
25	4736157	1	BALL STUD, pitman arm	
	910867	1	NUT	
	904208	1	LOCKWASHER	
	900802	1	PIN, cotter	
26	4734898	1	SPINNER, steering wheel	
27	4734175	1	CAP, horn button	
28	4734176	1	SPRING, horn button	
29	4712743	1	STOP, pedal (brake)	



STEERING GEAR ASSEMBLY  
(2nd Type, Ross No. TA-15197)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4709651	1	GEAR ASSY., steering (Incl. items 1 thru 9 and items 11 thru 19)	
	4734082	1	CAPSCREW, special	
	904209	1	LOCKWASHER	
	903641	1	CAPSCREW	
	910325	1	NUT	
	904208	1	LOCKWASHER	
1	4981764	1	HOUSING, gear (Incl. PIPE PLUG & Item 2)	
	901651	1	PLUG, pipe	
2	4981048	2	BUSHING, levershaft	
3	4981049	1	COVER, end (housing)	
4	4981050	1	OIL SEAL, levershaft	
5	4981765	1	LEVERSHAFT ASSY., (Incl. NUT & LOCKWASHER)	
	4981052	1	NUT	
	905347	1	LOCKWASHER	
6	4981053	1	COVER, side	
	903772	4	CAPSCREW	
	4981058	4	WASHER, copper	
7	4981056	1	GASKET, cover	
8	4981054	1	SCREW, adjusting (levershaft)	
	4981055	1	LOCKNUT	
9	4981766	1	TUBE, cam and wheel (Incl. item 11)	
			Continued	

STEERING GEAR ASSEMBLY (Cont'd)  
(2nd Type, Ross No. TA-15197)

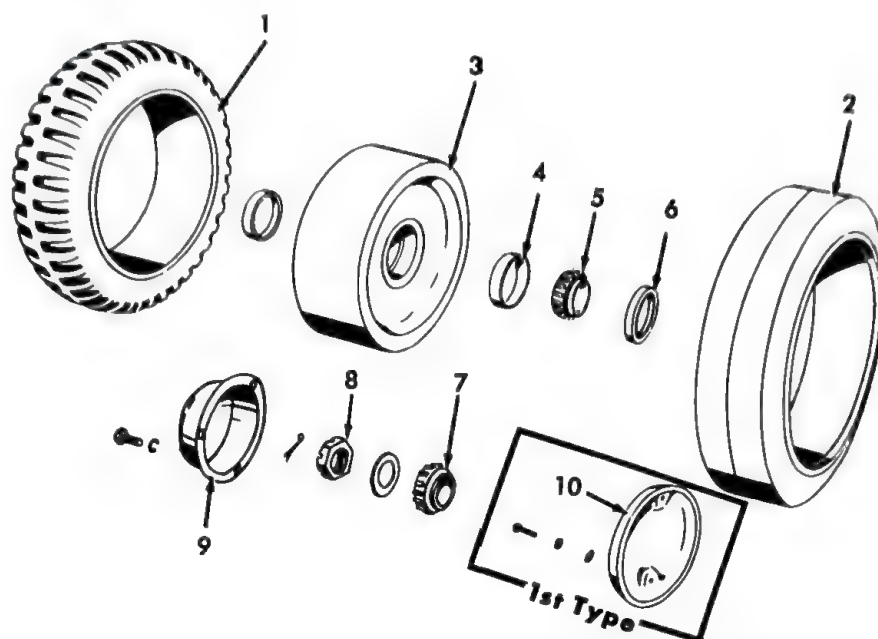
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
10	4709816	1	WHEEL, steering	
11	4981060	1	NUT	
12	915904	24	BALL, bearing	
13	4981061	2	CUP, ball	
	4981062	2	RING, retaining	
14	4981063	1	COVER, upper (housing)	
	903626	4	CAPSCREW	
	904205	4	LOCKWASHER	
	4981065	*	SHIM (.002) (* use as required)	
15	4981066	*	SHIM (.003) (* use as required)	
	4981067	*	SHIM (.010) (* Use as required)	
16	4981767	1	TUBE ASSY., jacket (Incl. item 17 thru 19)	
	4981072	1	CLAMP, tube	
17	4981069	1	BEARING ASSY (Incl. items 18 and 19)	
18	4981070	1	SPRING, steering wheel	
19	4981071	1	SEAT, spring	
20	4735816	1	ARM, pitman	
21	4736157	1	BALL STUD, pitman arm	
	910867	1	NUT	
	904208	1	LOCKWASHER	
	900802	1	PIN, cotter	
22	4723682	1	U-CLAMP, steering column	
	4117061	2	NUT	
	904205	2	LOCKWASHER	
23	4981189	1	BUTTON, horn . . . . .	4726665
24	4981190	1	COVER, horn button . . . . .	4726665
25	4981074	1	CUP, button contact . . . . .	4726665
26	4981075	1	SPRING, button . . . . .	4726665
27	4981076	1	CAP, contact . . . . .	4726665
28	4981077	1	FERRULE, cable . . . . .	4726665
29	4981078	1	PLATE, base . . . . .	4726665
	4981079	3	SCREW . . . . .	4726665
30	4981080	1	SPRING, contact . . . . .	4726665
31	4981081	1	WASHER, contact . . . . .	4726665
32	4737130	1	CABLE, horn (54")	
	4200030	1	TERMINAL	
	4734887	1	SLEEVE, terminal	

Continued

STEERING GEAR ASSEMBLY (Cont'd)  
(2nd type, Ross No. TA-15197)

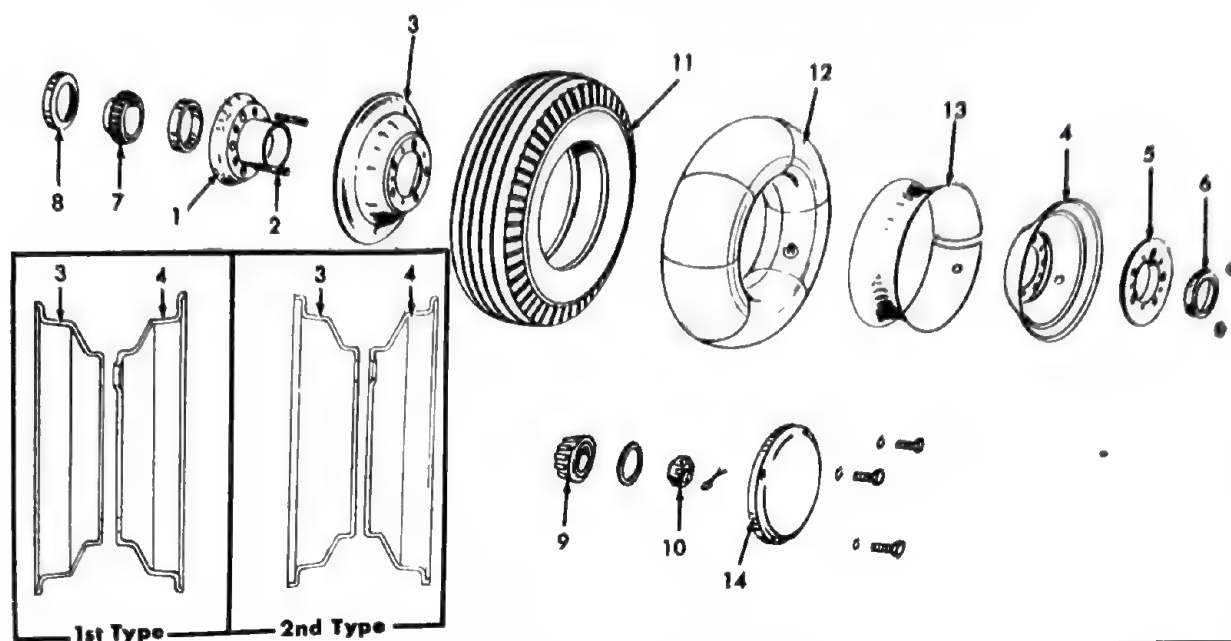
ASSEMBLY OR  
PACKAGE NO.

ITEM	PART NUMBER	QTY.	DESCRIPTION
33	4737635	1	LOOM (12")
34	4709516	1	KNOB, spinner
--	4712743	1	STOP, pedal (brake) (Not illustrated)
	915857	1	CAPSCREW
	904205	1	LOCKWASHER



STEER WHEEL ASSEMBLY  
(f/FB & FBL-20)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4713017	2	TIRE, cushion (15-1/2 x 5 x 10)	
2	4712960	2	TIRE, solid (14 x 4 x 10)	
3	4709747	2	WHEEL, steer (2nd type)	
4	4253284	4	CUP, bearing	
5	4253224	2	CONE, bearing (inner)	
6	4253242	2	SEAL, grease (inner brg.)	
7	4250793	2	CONE, bearing (outer)	
	912038	2	WASHER, retaining	
8	4718022	2	NUT, bearing adjusting	
	904002	2	PIN, cotter	
9	4706891	2	CAP, hub (f/2nd type wheel)	
	903629	6	CAPSCREW	
	904206	6	LOCKWASHER	
10	4735622	2	CAP, hub (f/1st type wheel)	
	900577	6	SCREW	
	910243	6	WASHER	
	904204	6	LOCKWASHER	



STEER WHEEL ASSEMBLY  
(f/FPB & FPBL-20)

ASSEMBLY OR  
PACKAGE NO.

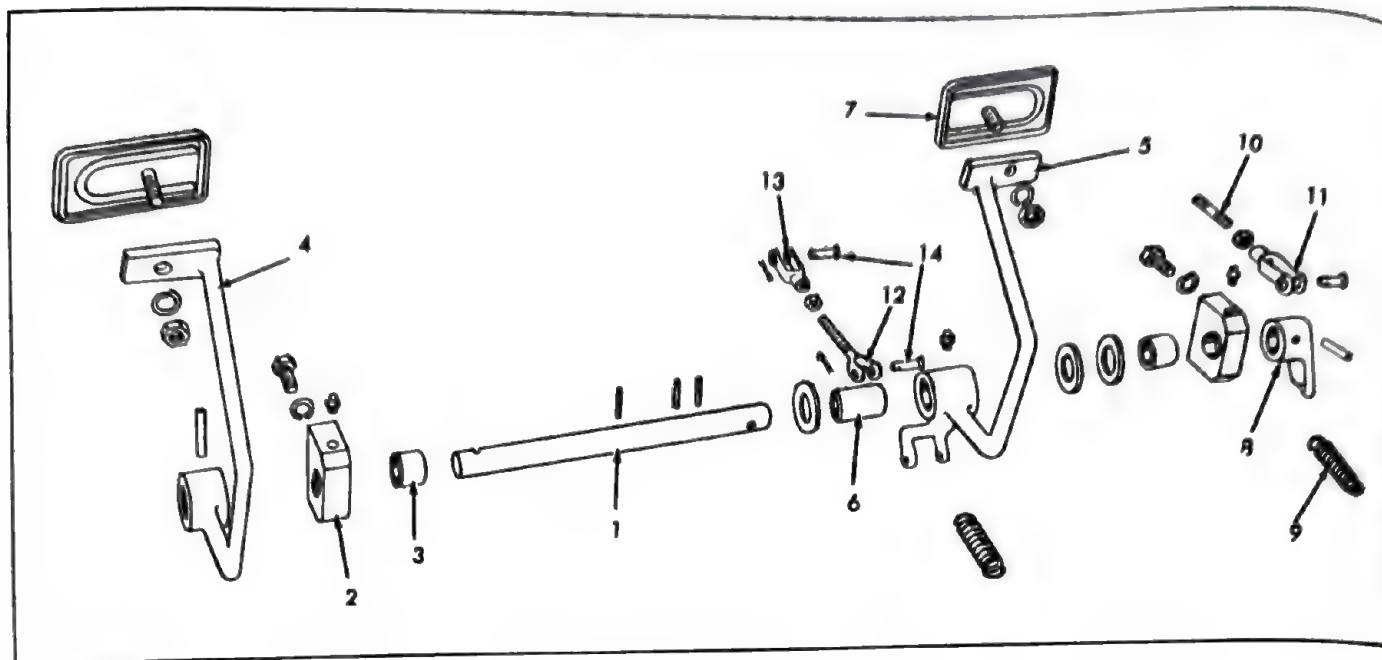
ITEM	PART NUMBER	QTY.	DESCRIPTION	
1	4735056	2	HUB, steer wheel	
2	4735871	10	STUD, wheel	
	4735062	10	NUT	
3	{-----	2	RIM, wheel (Inner) (1st type) (Not serviced; order 4745031 and 4745032)	
	4745031	2	RIM, wheel (inner) (2nd type)	
4	{-----	2	RIM, wheel (outer) (1st type) (Not serviced; order 4745031 and 4745032)	
	4745032	2	RIM, wheel (outer) (2nd type)	
5	4745102	2	REINFORCEMENT, wheel	
	903632	10	CAPSCREW	
	4250961	10	LOCKNUT	
6	4253284	4	CUP, bearing	
7	4253224	2	CONE, bearing (inner)	
8	4253242	2	SEAL, grease, inner bearing	
9	4250793	2	CONE, bearing (outer)	
	912038	2	WASHER, retaining	
10	4718022	2	NUT, bearing adjusting	
	904002	2	PIN, cotter	
11	{-----	2	TIRE, pneumatic (5:00 x 8 x 6) (Obtain locally)	
	4718074	2	TIRE, laminated (5:00 x 8)	

Continued

STEER WHEEL ASSEMBLY (Cont'd)  
(f/FPB & FPBL-20)

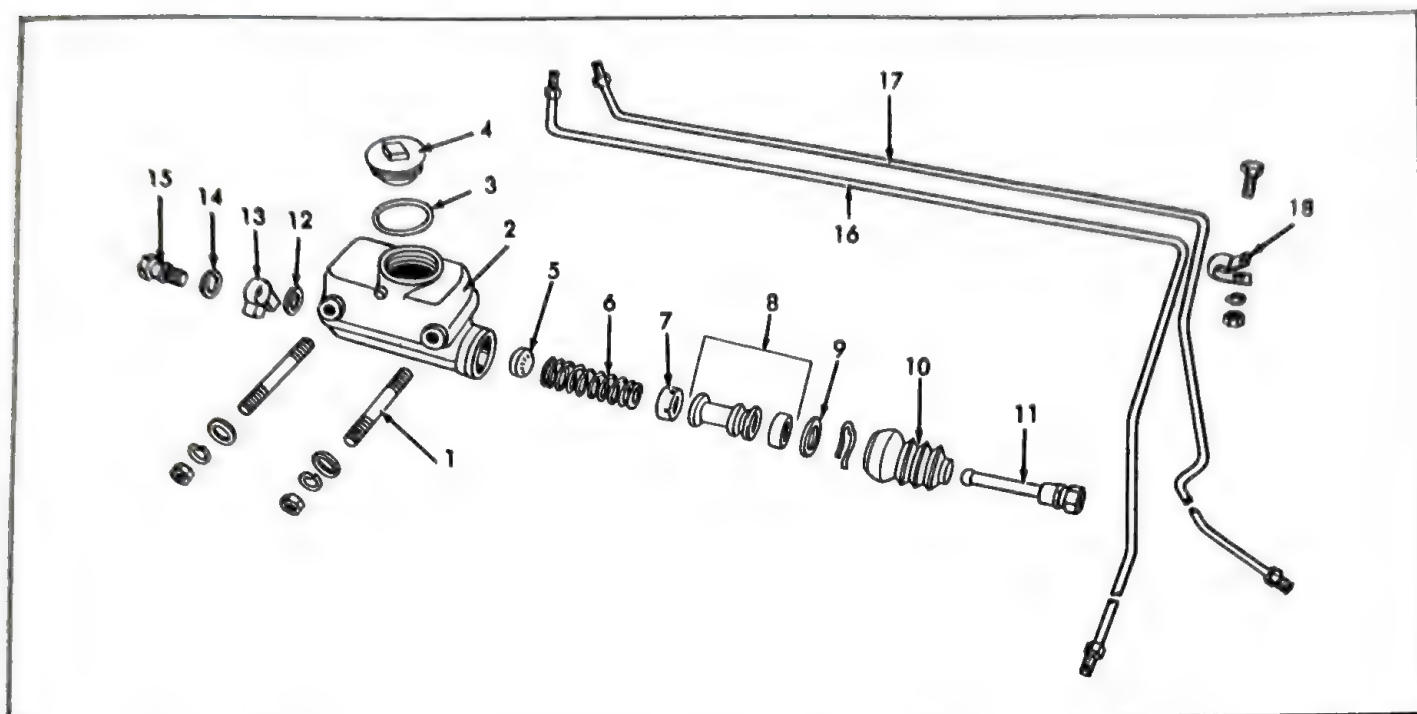
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
12	-----	2	TUBE, inner (Pneumatic) (5:00 x 8) (Obtain locally)	
13	-----	2	FLAP, tire (Pneumatic) (Obtain locally)	
14	4735622	2	CAP, hub	
	900577	6	SCREW	
	910243	6	WASHER	
	904204	6	LOCKWASHER	





### CLUTCH AND BRAKE PEDAL

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4735435	1	SHAFT, pedal	
	4716045	1	WASHER, retaining	
	4735726	1	PIN, roll	
2	4736065	2	BRACKET, shaft (Incl. item 3)	
	903638	4	CAPSCREW	
	904208	4	LOCKWASHER	
	914465	2	FITTING, lube	
3	4253216	2	BUSHING, bracket	
4	4735719	2	PEDAL, brake	
	4735751	1	PIN, roll	
5	4735490	1	PEDAL, clutch (Incl. item 6)	
	4716045	2	WASHER, retaining	
	4735726	2	PIN, roll	
	914465	1	FITTING, lube	
6	4253217	1	BUSHING, pedal	
7	4811128	2	PAD, foot (pedal)	
	910195	2	NUT	
	904208	2	LOCKWASHER	
8	4735719	1	LEVER, brake	
	4735751	1	PIN, roll	
9	4737295	2	SPRING, return	
10	4735449	1	STUD, brake link	
11	917665	1	YOKE, stud	
	910876	1	NUT, check	
	917647	1	PIN, yoke	
	900801	1	PIN, cotter	
12	4735617	1	YOKE, clutch link	
13	917664	1	CLEVIS, link	
	910123	1	NUT, check	
14	917646	2	PIN, clevis	
	900942	2	PIN, cotter	92



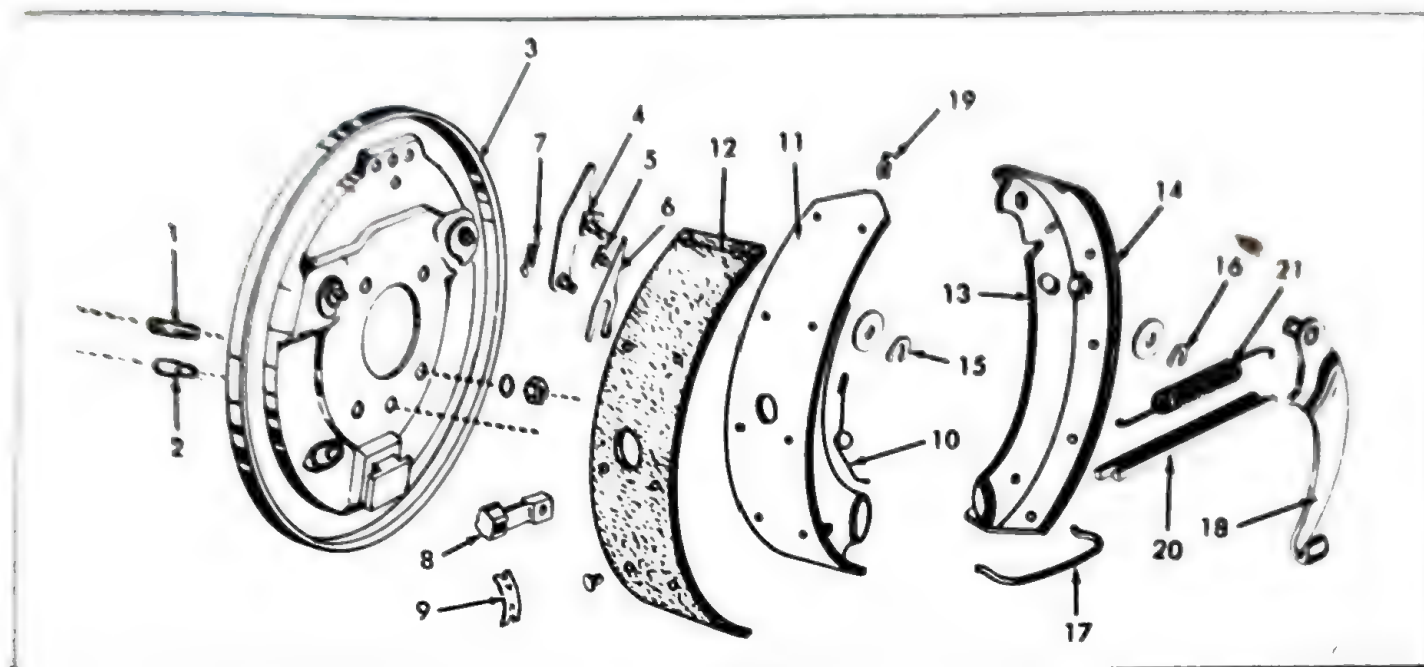
### MASTER CYLINDER AND BRAKE LINES

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4734153	1	CYLINDER ASSY., master (Incl. items 2 thru 15)	
1	4736206	2	STUD, mounting	
	910123	2	NUT, stud	
	911115	2	WASHER	
	904206	2	LOCKWASHER	
2	4984407	1	BODY	
3	4981084	1	GASKET, plug	
4	4981083	1	PLUG, filler	
5	4984141	1	VALVE, check . . . . .	4984406
6	4984408	1	SPRING ASSY., piston return	
7	4984152	1	CUP, piston (primary) . . . . .	4984406
8	4984409	1	PISTON ASSY. . . . .	4094406
9	4984410	1	PLATE, stop (piston)	
	4984156	1	LOCKWIRE . . . . .	4984406
10	4984157	1	BOOT . . . . .	4984406
11	4984411	1	ROD, push	
12	4981089	1	GASKET, inner	
13	4984412	1	FITTING, bolt	
14	4981091	1	GASKET, outer	

Continued

# MASTER CYLINDER AND BRAKE LINES (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
15	4981092	1	BOLT, fitting	
16	4709618	1	LINE, brake (R.H.)	
17	4709620	1	LINE, brake (L.H.)	
18	917657	1	CLIP	
	905657	1	CAPSCREW	
	910880	1	NUT	
	904204	1	LOCKWASHER	



### DRIVE WHEEL BRAKE

\* Right Hand Brake  
\*\* Left Hand Brake

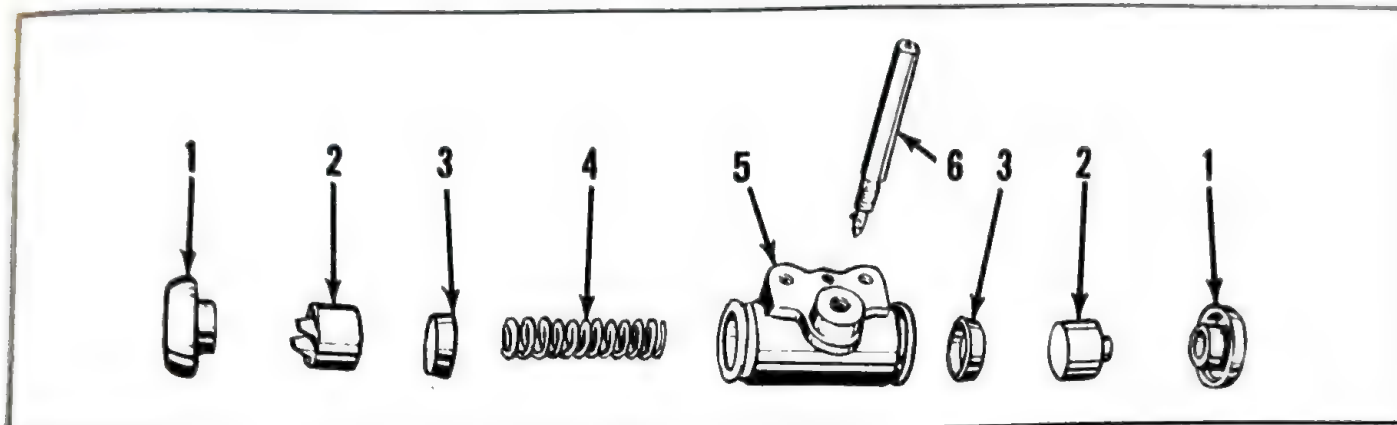
ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
-	4707645	1	-	BRAKE ASSY., drive wheel (Incl. WHEEL CYLINDER and item 3 thru 21)	
-	4707646	-	1	BRAKE ASSY., drive wheel (Incl. WHEEL CYLINDER and items 3 thru 21)	
1	4707643	4	4	STUD, mounting	
	910123	4	4	NUT	
	904208	4	4	LOCKWASHER	
2	4500300	1	1	PIN, dowel	
3	{ 4709565	1	-	PLATE, backing	
	{ 4709564	-	1	PLATE, backing	
4	{ 4984301	1	-	LEVER, shoe adjuster	
	{ 4984315	-	1	LEVER, shoe adjuster	
5	4984302	1	1	WEDGE, guide (shoe adjuster)	
6	{ 4981392	1	-	WEDGE, adjuster, shoe	
	{ 4984316	-	1	WEDGE, adjuster, shoe	
7	4984303	1	1	SPRING, actuating (adjuster wedge)	
8	4984304	1	1	PLUG, adjusting (drum contact)	
9	4984305	1	1	SPRING, anti-rattle (plug)	
10	{ 4984306	1	-	SPRING, adjuster, shoe	
	{ 4984317	-	1	SPRING, adjuster, shoe	

Continued

# DRIVE WHEEL BRAKE (Cont'd)

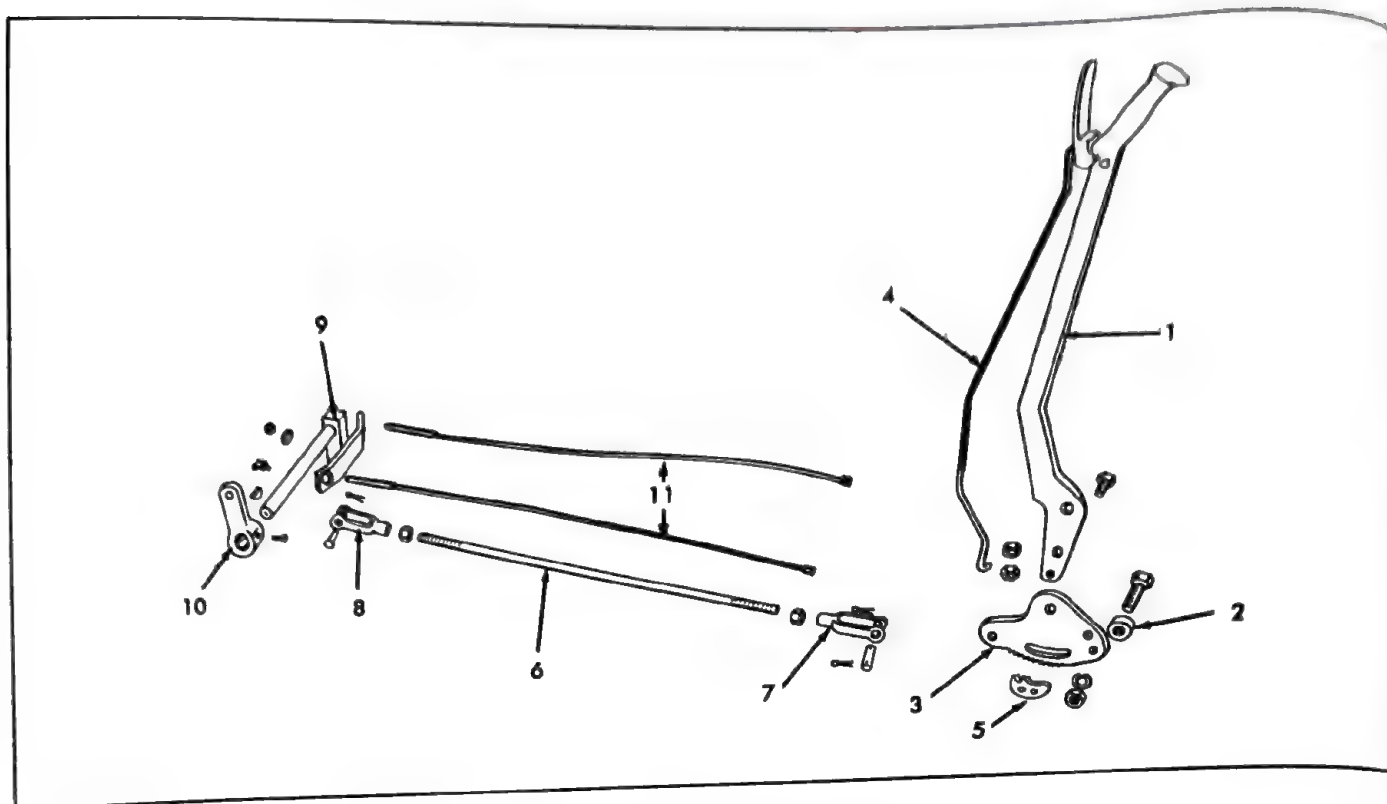
\* Right Hand Brake  
 \*\* Left Hand Brake

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
11	4984307	1	1	SHOE, brake (reverse) . . . . .	4981393
12	4981394	1	1	LINING, brake shoe (reverse) . . . . .	4981393
	4984308	10	10	RIVET	
13	4984309	1	1	SHOE, brake (forward) . . . . .	4984259
14	4984258	1	1	LINING, brake shoe (forward) . . . . .	4984259
	4984308	8	8	RIVET . . . . .	4984259
15	{ 4981398	2	2	WASHER, plain (shoe guide)	
	{ 4991103	2	2	WASHER, spring	
16	4981387	2	2	WASHER, "C" (shoe guide stud)	
17	4984310	1	1	SPRING, shoe anchor	
18	{ 4984311	1	-	LEVER, parking brake	
	{ 4984318	-	1	LEVER, parking brake	
19	4984312	1	1	WASHER, "C"	
20	4984313	1	1	LINK, parking brake	
21	4984314	1	1	SPRING, retracting (brake shoe)	



### WHEEL CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4984294	2	CYLINDER ASSY., wheel (Incl. items 1 thru 5)	
	906692	4	CAPSCREW	
	904204	4	LOCKWASHER	
1	4984295	4	BOOT . . . . .	4984300
2	4984296	4	PISTON	
3	4984297	4	CUP, piston . . . . .	4984300
4	4984298	2	SPRING, piston	
5	4984299	2	BODY, cylinder	
6	4735817	2	BLEEDER, wheel cylinder	



### EMERGENCY HAND BRAKE

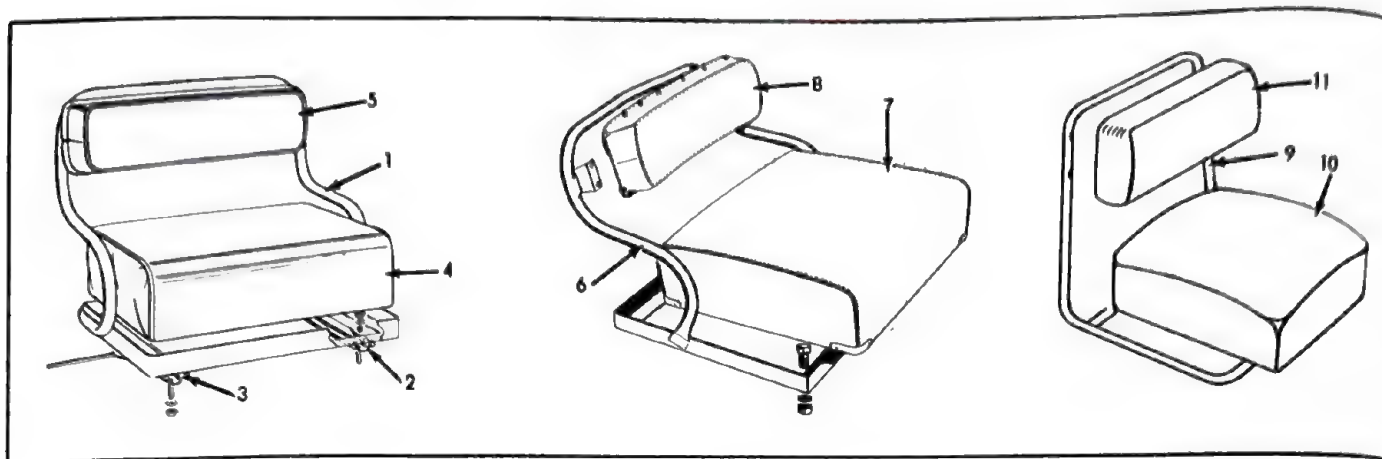
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4734274	1	LEVER ASSY., hand brake (Incl. items 2 thru 5)	
	903634	2	CAPSCREW	
	910324	2	NUT	
	904206	2	LOCKWASHER	
2	4736067	2	SPACER, lever	
3	4982596	1	SECTOR, lever	
	914398	2	CAPSCREW	
	910329	2	NUT	
	917180	2	PALNUT, lever	
4	4982632	1	ROD, pawl (lever)	
5	4982597	1	PAWL, lever	
6	4734276	1	ROD, brake	
7	4709209	1	CLEVIS (to lever)	
	910123	1	NUT, check	
	4734454	1	PIN, clevis	
	900942	2	PIN, cotter	
8	917664	1	YOKE (to cable bar)	
	910123	1	NUT, check	
	917646	1	PIN, clevis	
	900942	1	PIN, cotter	
9	4734912	1	BAR, cable (brake)	
	4253068	2	FITTING, lube	

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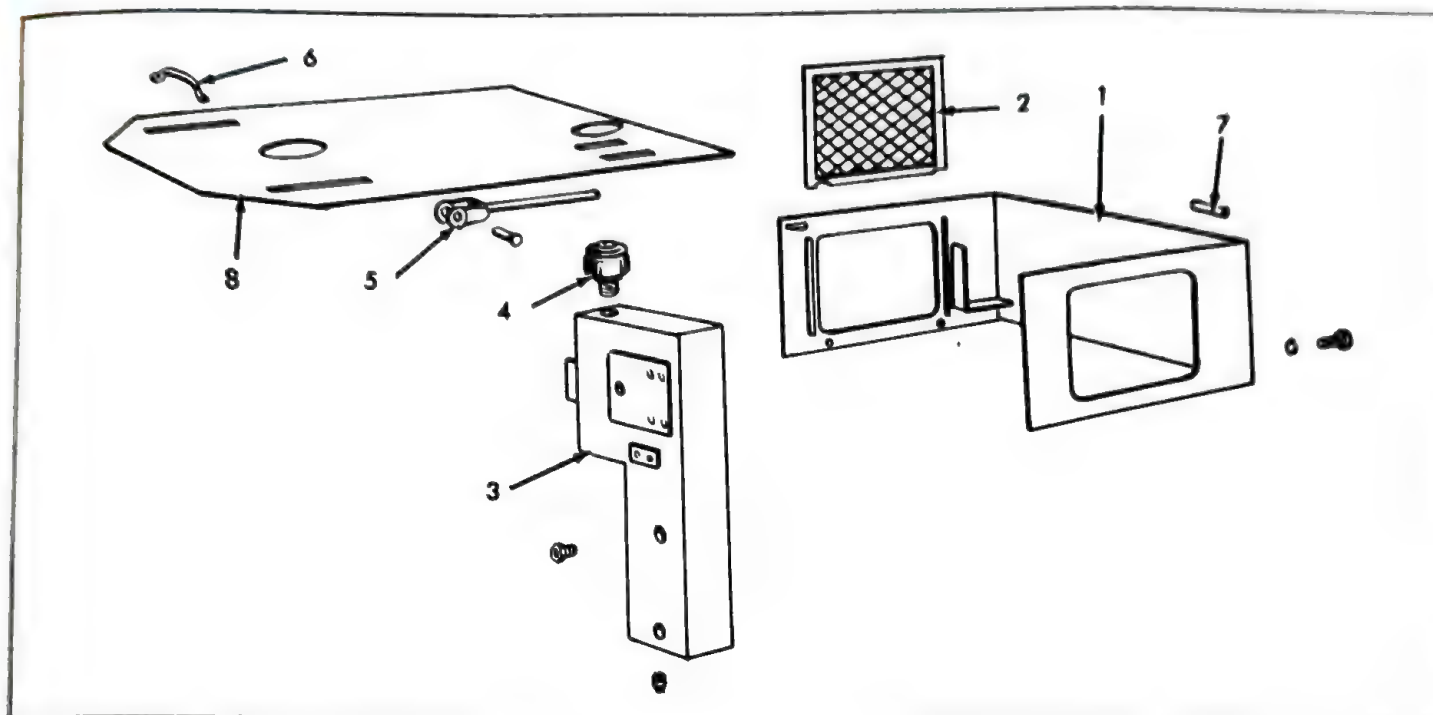
# EMERGENCY HAND BRAKE (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
10	4734915	1	LEVER, cable bar	
	905123	1	KEY	
	900685	1	SETSCREW	
11	4735703	2	CABLE, brake	
	910233	4	NUT, retaining (to bar)	
	901165	2	WASHER	



### SEAT ASSEMBLY

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
FIRST TYPE				
1	4984324	1	FRAME ASSY.,	
	916092	4	BOLT	
	910323	4	NUT	
	904205	4	LOCKWASHER	
2	4984325	1	ADJUSTER, seat, L.H.	
	910233	2	NUT	
	904205	2	LOCKWASHER	
3	4984326	1	ADJUSTER, seat, R.H.	
	910233	2	NUT	
	904205	2	LOCKWASHER	
4	4984322	1	CUSHION, seat	
5	4984323	1	CUSHION, back	
	906692	4	SCREW	
	904204	4	LOCKWASHER	
SECOND TYPE				
6	4910599	1	FRAME ASSY.,	
	903637	2	CAPSCREW, adjusting	
	910325	2	NUT	
	904208	2	LOCKWASHER	
7	4811121	1	CUSHION, seat	
8	4810600	1	CUSHION, back	
	900574	4	SCREW	
	904204	4	LOCKWASHER	
THIRD TYPE				
9	4709344	1	FRAME ASSY.	
	903637	2	CAPSCREW, adjusting	
	910233	2	NUT	
	904205	2	LOCKWASHER	
10	4709345	1	CUSHION, seat	
11	4709346	1	CUSHION, back	
	912349	4	SCREW	
	906957	4	LOCKWASHER	



### COWLING, HYDRAULIC OIL TANK AND SEAT PLATE

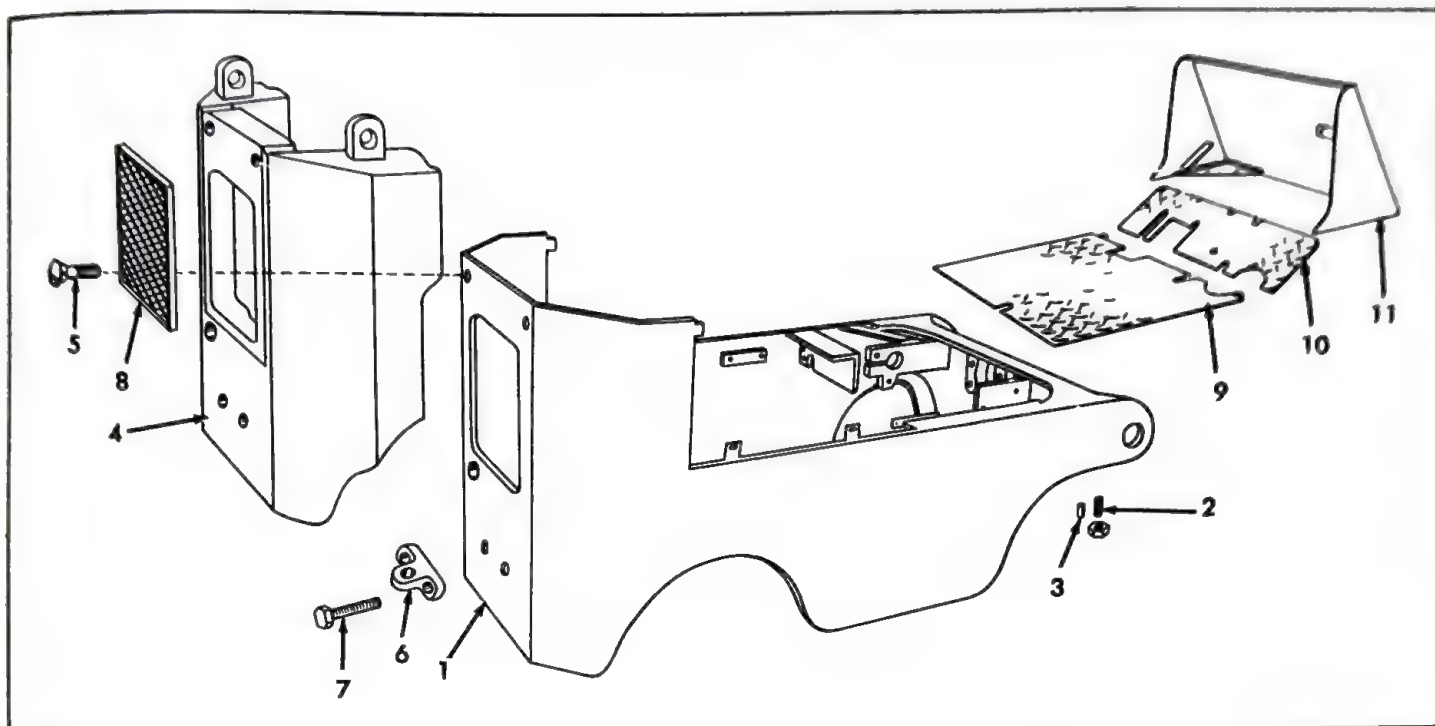
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4709839	1	COWLING, frame (See Note)	
	905660	4	CAPSCREW	
	910335	4	WASHER	
	904205	4	LOCKWASHER	
	4735593	1	SCREEN, cowling (RH side) (All Models)	
2	4735593	1	SCREEN, cowling (LH side) (FB-FPB Models)	
	4702193	1	SCREEN, cowl (LH side) (FBL Models)	
	4704219	1	SCREEN, cowling (LH side) (FPBL Models)	
3	4711626	1	TANK, oil, hydraulic (See Note)	
	903630	4	CAPSCREW (To cowling)	
	906960	4	LOCKWASHER	
	917430	1	REDUCER, suction hose	
4	4735665	1	CAP, breather	
5	4735655	1	BRACE, seat plate	
	917646	1	PIN, hinge	
	900942	1	PIN, cotter	
6	4734284	1	HANDLE, seat plate	
	910310	2	NUT	
	901287	2	SCREW	
	904203	2	LOCKWASHER	
7	4735408	2	SLEEVE, hinge (Seat Plate)	

Continued

# COWLING, HYDRAULIC OIL TANK AND SEAT PLATE (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
8	Seat Plates listed below are for trucks with following Serial Nos. FB & FBL Models Eff. w/Serial No. 10677000 and up. FPB & FPBL Models Eff. w/Serial No. 10934000 and up. For trucks prior to above Serial Numbers, order by description, specifying model and Serial No. and whether equipped w/2-plunger or 3-plunger valve.			
	4700453	1	PLATE, seat (2-plgr. valve)(FB20)	
	4700455	1	PLATE, seat (2-plgr. valve) (FPB20)	
	4700454	1	PLATE, seat (3-plgr. valve) (FB20)	
	4700456	1	PLATE, seat (3-plgr. valve) (FPB20)	
	4704645	1	PLATE, seat (2-plgr. valve) (FBL20)	
	4704647	1	PLATE, seat (2-plgr. valve) (FPBL20)	
	4704646	1	PLATE, seat (3-plgr. valve) (FBL20)	
	4704648	1	PLATE, seat (3-plgr. valve) (FPBL20)	
	4704649	1	PLATE, seat (2-plgr. valve & O.H. guard) (FBL20)	
	4704651	1	PLATE, seat (2-plgr. valve & O.H. Guard) (FPBL20)	
	4704650	1	PLATE, seat (3-plgr. valve & O.H. guard) (FBL20)	
	4704652	1	PLATE, seat (3-plgr. valve & O.H. guard) (FPBL20)	
	4740089	1	PLATE, seat (2-plgr. valve) (FBL20 w/horiz. 33-1/2# tank)	
	4740090	1	PLATE, seat (3-plgr. valve) (FBL20 w/horiz. 33-1/2# tank)	

NOTE: Both oil tank and cowlings must be ordered for initial replacement on 1st type trucks which were built with tank and cowlings in one piece.



### FRAME, COUNTERWEIGHT & FLOOR PLATE

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
------	----------------	------	-------------	----------------------------

NOTE: Frames and counterweights listed in this Group are for trucks equipped with separate, removable counterweight and w/center-point steering (See 2nd and 3rd type AXLE Group). For earlier frames, with integral counterweight, order by description, giving Model and Serial No. of truck.

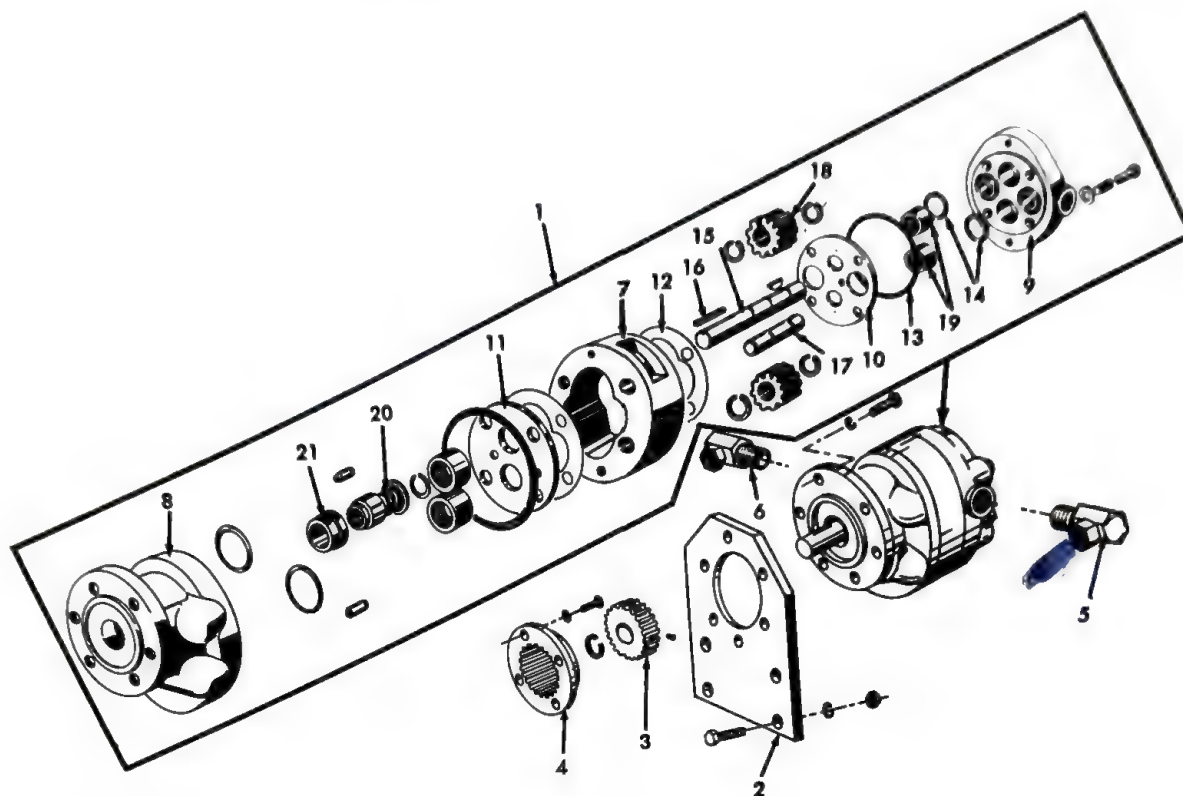
1	4700254	1	FRAME (FB20-15, 20-24)	Eff. Serial No. 10677000 thru 13755000)
	4704638	1	FRAME (FBL20-15, 20-24)	
	4740038	1	FRAME (FBL20-15, 20-24 w/Horiz. 33-1/2# tank)	
	4701085	1	FRAME (FB20-15, 20-24)	Eff. Serial No. 13756000 and up
	4745204	1	FRAME (FBL20-15, 20-24)	
	4745206	1	FRAME (FBL20-15, 20-24 w/Horiz. 33- 1/2 # tank)	
	4700255	1	FRAME (FPB20-15, 20-24, 15-15)	Serial No. 10934000 thru 13562000
	4704639	1	FRAME (FPBL20-15, 20-24, 15-15)	
	4701155	1	FRAME (FPB20-15, 20-24, 15-15)	Eff. Serial No. 13563000 and up
	4745205	1	FRAME (FPBL20-15, 20-24, 15-15)	
2	4735231	4	STUD	
	910325	4	NUT	
	904208	4	LOCKWASHER	

Continued

# FRAME, COUNTERWEIGHT & FLOOR PLATE (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
3	4735232	2	PIN, dowel (Drive axle)	
	4735813	1	COUNTERWEIGHT, rear (FB-FBL20-15; FBL20-15 w/horiz. 33-1/2# tank)	Serial No. 10677000 & up
	4735219	1	COUNTERWEIGHT, rear (FB-FBL20-24; FBL20-24 w/horiz. 33-1/2# tank)	
4	4735219	1	COUNTERWEIGHT, rear (FPB-FPBL20-15)	Serial No. 10934000 and up
	4736101	1	COUNTERWEIGHT, rear (FPB-FPBL20-24)	
	4735813	1	COUNTERWEIGHT, rear (FPB-FPBL15-15)	
5	4252980	2	BOLT, upper	
	910923	2	NUT	
	900820	2	WASHER	
	904369	2	LOCKWASHER	
6	4735960	1	EYE, towing	
7	4253067	2	CAPSCREW (towing eye & counterweight) (lower)	
	910308	2	NUT	
	900819	2	WASHER	
	904209	2	LOCKWASHER	
8	4711633	1	SCREEN, rear	
	4709845	1	PLATE, floor, main (large) (Incl. STUD & PIN)	
	4707430	1	STUD	
	4707426	1	PIN	
	4722712	1	PLATE, floor, main (for 4-plgr. valve application)	
	4707430	1	STUD	
9	4707426	1	PIN	
	4722713	1	PLATE, floor, main (small) (for 4-plgr. valve application)	
	903630	1	CAPSCREW	
	904206	1	LOCKWASHER	
10	4735442	1	PLATE, floor, front	
	903625	2	CAPSCREW	
	904204	2	LOCKWASHER	
11	4735631	1	SHIELD, toe	
	903630	4	CAPSCREW	
	904206	4	LOCKWASHER	





HYDRAULIC PUMP AND CONNECTIONS  
(Eff. w/Serial No. 10151000 and up)

0153349

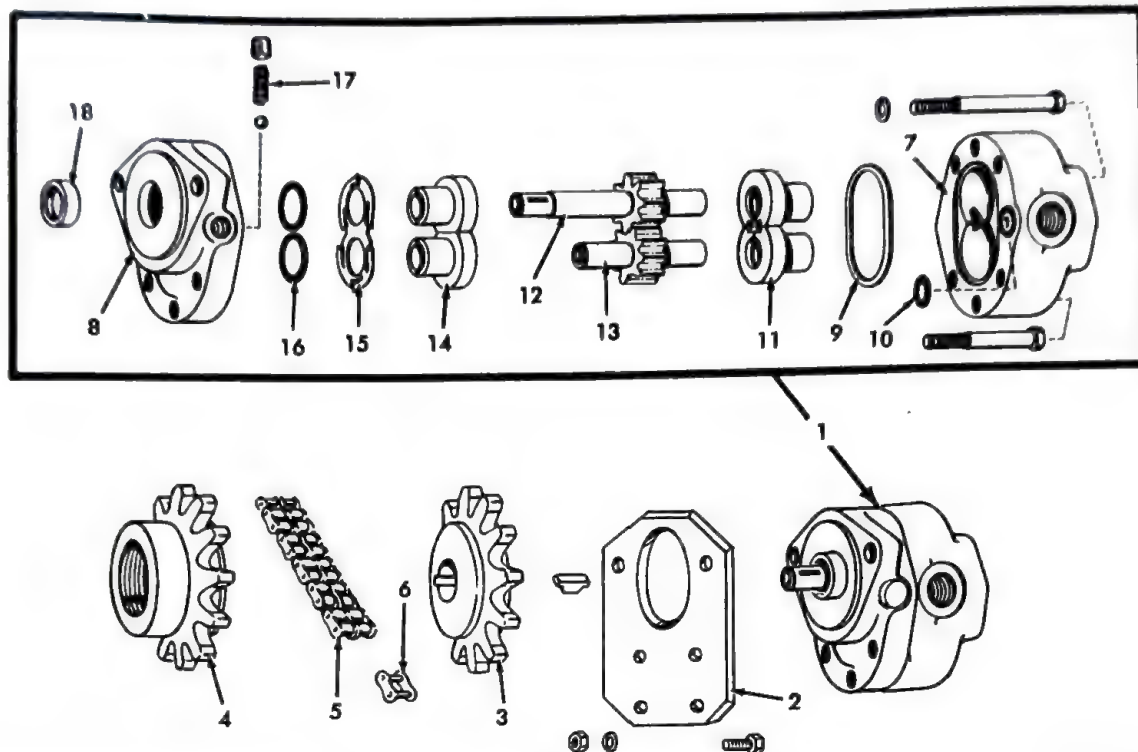
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4702723	1	PUMP ASSY., hydraulic (HQ-1506KIDI) (Incl. items 7 thru 21)	
	903775	4	CAPSCREW	
	903629	2	CAPSCREW	
	904206	6	LOCKWASHER	
2	4702998	1	BRACKET, mounting	
	903631	4	CAPSCREW	
	910324	4	NUT	
	904206	4	LOCKWASHER	
3	4714896	1	GEAR, driven (to pump)	
	4253735	1	RING, snap (internal)	
	903835	1	SETSCREW	
4	4710818	1	GEAR, drive (internal tooth)	
	912264	4	CAPSCREW	
	904205	4	LOCKWASHER	
5	4734485	1	ELBOW, hose (tank to pump)	
	4253511	1	CLAMP	
6	4708602	1	ELBOW, hose (pump to valve)	
7	4985027	1	HOUSING, pump	
8	4990976	1	ADAPTER, pump	
	4981598	2	PIN, dowel	

Continued



HYDRAULIC PUMP AND CONNECTION (Cont'd)  
(Eff. w/Serial No. 10151000 and up)

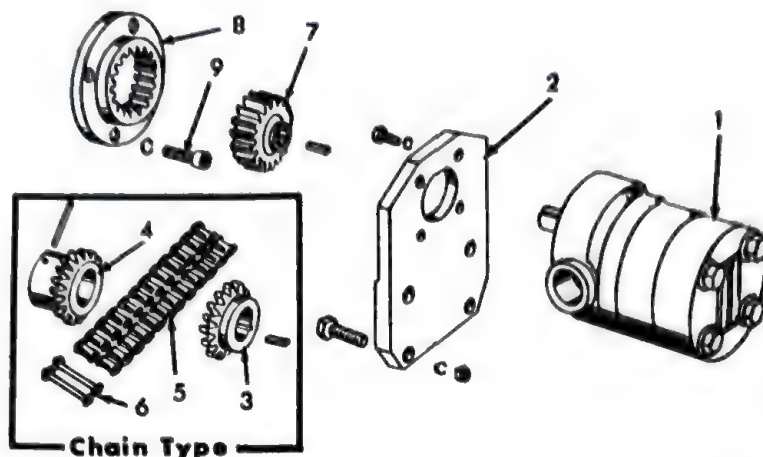
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
9	4996977	1	COVER, pump	
	4990983	4	CAPSCREW	
	4981331	4	WASHER	
	4981598	2	PIN, dowel	
10	4990979	1	PLATE, wear (cover end)	
11	4990980	1	PLATE, wear (adapter end)	
	4981594	*	GASKET, housing (amber .001") (* Use as required)	
12	4987990	*	GASKET, housing (* Use as required)	
	4987991	*	GASKET, housing (* Use as required)	
13	4716134	2	RING, seal (large)	
14	4990984	4	RING, seal (small)	
15	4990981	1	SHAFT, drive	
16	4990985	1	KEY, pump coupling	
17	4990982	1	SHAFT, driven	
18	4990978	2	GEAR, oil pump	
	4981591	1	KEY, drive gear	
	4981590	5	RING, snap	
19	4981589	4	BEARING, shaft	
20	4981595	1	SEAL ASSY.	
	4981597	1	WASHER, seal	
21	4981596	1	SEAT, seal	



ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	-----	1	PUMP ASSY., hydraulic (Incl. items 7 thru 18) When new pump is required order No. 4712521 (HQ-1010B7B10), 4735549 Bracket, 4710048 Sprocket, 4710811 Key.	
	910245	2	CAPSCREW	
	4734546	2	LOCKNUT	
	914330	4	CAPSCREW	
	904204	4	LOCKWASHER	
	4735238	1	BRACKET, pump mounting (For Code-P S pump)	
2	4735549	1	BRACKET, pump mounting (For Code-HQ pump)	
	903631	4	CAPSCREW	
	910324	4	NUT	
	904206	4	LOCKWASHER	
	4734918	1	SPROCKET, driven (to pump) (For Code-PS pump)	
3	4735129	1	KEY	
	4710048	1	SPROCKET, driven (to pump) (For Code-HQ pump)	
	4710811	1	KEY	
4	4734919	1	SPROCKET, drive (to engine)	
	900636	1	PIN, taper	
5	4734920	1	CHAIN, coupling	
6	4253098	1	LINK, chain	
7	4984374	1	BODY, pump	

HYDRAULIC PUMP AND CONNECTIONS (Cont'd)  
(CODE-PS)

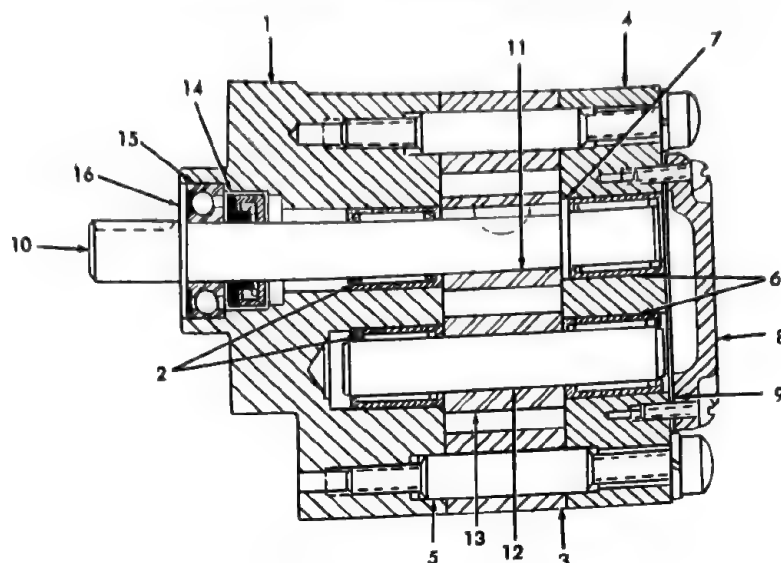
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
8	4984375	1	COVER, pump	
	910745	2	CAPSCREW	
	910746	4	CAPSCREW	
	904205	6	LOCKWASHER	
9	4984376	1	RING, seal, body (large)	
10	4984377	1	RING, seal, body (small)	
11	4984378	2	BEARING, body	
12	4984379	1	GEAR, drive	
13	4984380	1	GEAR, driven	
14	4984381	1	BEARING, cover	
15	4984382	1	SPRING, bearing	
16	4736147	2	RING, seal (cover bearing)	
17	4984385	1	SPRING, relief valve	
	915771	1	BALL	
	4984384	1	PLUG	
18	4984386	1	SEAL, oil, shaft (drive gear)	



# HYDRAULIC PUMP AND CONNECTIONS (For Serial Nos. Prior to 10151115)

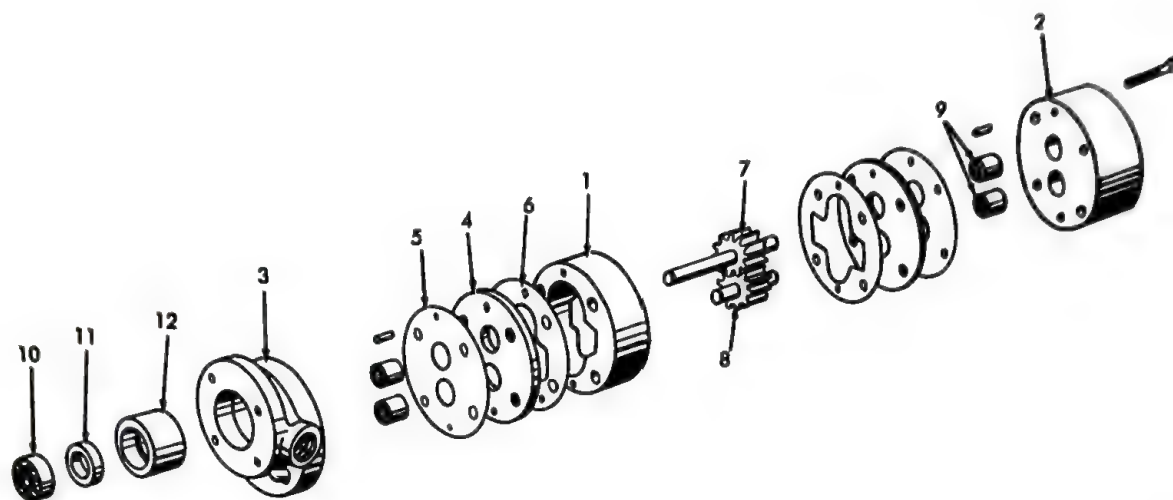
\*1st Type  
\*\*2nd Type  
\*\*\* 3rd Type  
\*\*\*\* 4th Type

ITEM	PART NUMBER	*	QTY. **	***	****	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	-----	1	-	-	-	PUMP ASSY., hydraulic (HQ #1010B7B4) (See Page 111 for components) (Order No. 4712521)	
	-----	-	1	-	-	PUMP ASSY, hydraulic (HQ #1010B7B6) (See page 111 for components) (Order No. 4712521)	✓
	4712521	-	-	1	-	PUMP ASSY., hydraulic (HQ #1010B7B10) (See page 111 for components)	
	-----	-	-	-	1	PUMP ASSY., hydraulic (Webster #3HBS2-3) (See page 110 for components) (Order No. 4712521)	
	914330	4	4	4	4	CAPSCREW	
	904204	4	4	4	4	LOCKWASHER	
2	4735549	1	1	1	1	BRACKET, mounting (pump)	
	903631	4	4	4	4	CAPSCREW	
	910324	4	4	4	4	NUT	
	904206	4	4	4	4	LOCKWASHER	
3	4710048	1	1	1	1	SPROCKET, driven (to pump)	
	4710811	1	1	1	1	KEY	
4	4734919	1	1	1	1	SPROCKET, drive (to engine)	
	900636	1	1	1	1	PIN, taper	
5	4734920	1	1	1	1	CHAIN, coupling	
6	4253095	1	1	1	1	LINK, chain	
7	4711520	1	1	1	1	GEAR, driven (to pump)	
	4710811	1	1	1	1	KEY	
8	4710818	1	1	1	1	GEAR, drive, internal (To engine)	
9	912264	4	4	4	4	CAPSCREW	
	904205	4	4	4	4	LOCKWASHER	



**HYDRAULIC PUMP ASSEMBLY**  
**(WEBSTER 3HBS 2-3)**  
 (Truck Serial Nos. 9069055 to 10151115)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4990373	1	BODY, pump (Incl. item 2)	
2	4990370	2	BEARING, needle	
3	4990363	1	PLATE, gear	
4	4990369	1	COVER, pump (Incl. item 6, 8 and 9)	
	4990368	4	SCREW, cover	
	904205	4	LOCKWASHER	
5	4990367	2	PIN, dowel	
6	4990370	2	BEARING, needle	
7	4990375	1	RING, retainer	
8	4990371	1	PLATE, bearing (cover)	
	917220	4	SCREW	
9	4990372	1	GASKET, plate	
10	4990377	1	SHAFT, drive	
11	4990366	1	GEAR, drive	
	910173	1	KEY	
12	4990365	1	SHAFT, idler	
13	4990364	1	GEAR, idler	
14	4990374	1	SEAL, oil	
15	4254170	1	BEARING, ball	
16	4990376	1	RING, retaining	

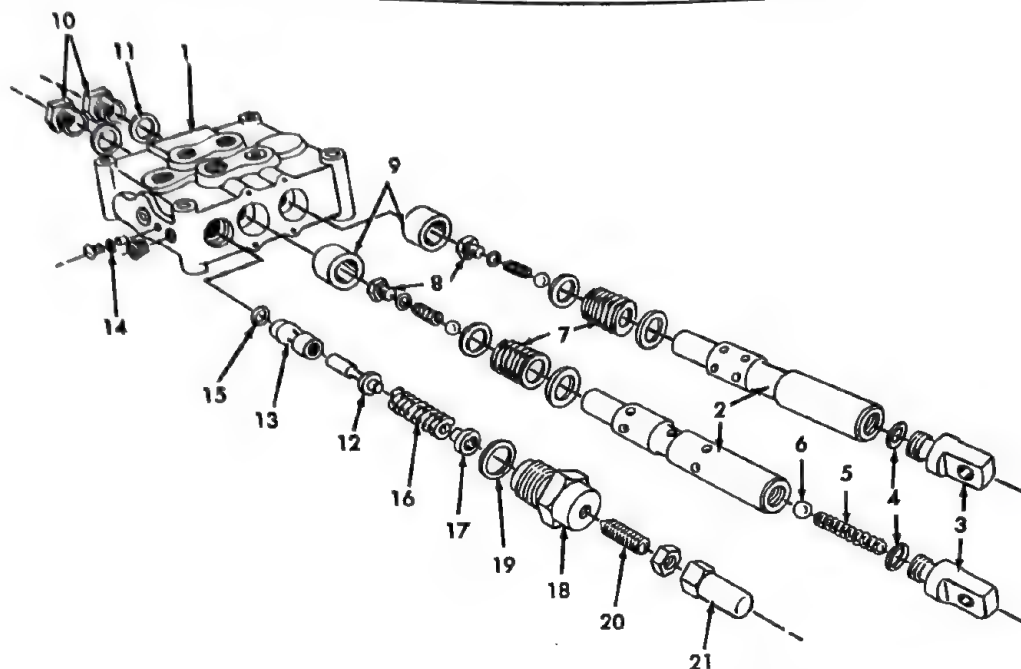


# HYDRAULIC PUMP ASSEMBLY CODE HQ

\* Pump No. HQ1010B7B4  
 \*\* Pump No. HQ1010B7B6  
 \*\*\* Pump No. HQ1010B7B10 (4712521)

ITEM	PART NUMBER	QTY.			DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**	***		
1	4981823	1	1	1	HOUSING, pump	
2	4981833	1	1	1	COVER, pump(countersunk for capscrews)	
	4981933	4	4	4	CAPSCREW	
	4981598	2	2	2	PIN, dowel	
3	4981828	1	-	-	ADAPTER, pump	
	4984197	-	1	1	ADAPTOR, pump	
	4981598	2	2	2	PIN, dowel	
4	4981862	2	2	2	PLATE, wear	
5	4981938	2	2	2	GASKET, outer (red .002")	
6	4981939	*	*	*	GASKET, inner (amber .001") (Use as required)	
	4981940	*	*	*	GASKET, inner (red .002") (Use as required)	
7	4981838	1	-	-	GEAR, drive	
	4984199	-	1	1	GEAR, drive	
8	4981839	1	1	1	GEAR, driven	
9	4981868	4	4	4	BEARING, needle	
10	4981836	1	1	1	BEARING, ball	
11	4981869	1	1	1	SEAL, oil	
12	4981941	1	1	1	RETAINER (bearing and oil seal)	





2 PLUNGER CONTROL VALVE (STANDARD)  
(CODE HQ)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4735293	1	VALVE ASSY., control (Incl. items 1 thru 21)	
1	----- 4981866	1 1	HOUSING, valve (Not serviced separately) PLUG, pipe	
2	-----	2	PLUNGERS, control (Not serviced separately)	
3	4981922	2	EYE, plunger	
4	4716117	2	RING, seal	
5	4981904	3	SPRING, check ball	
6	915904	3	BALL, check	
7	4981913 4981878	2 4	SPRING, return (plunger) WASHER	
8	4981916 4716117	2 2	CAP, plunger RING, seal	
9	4981871	2	OIL SEAL, plunger	
10	4981915	2	CAP, housing	
11	4984147	2	GASKET, cap	
12	4981884	1	PLUNGER, relief valve	
13	4981881 4981851 4981850	1 1 1	SEAT, plunger SETSCREW SCREW, machine	
14	4981859	1	GASKET, screw	

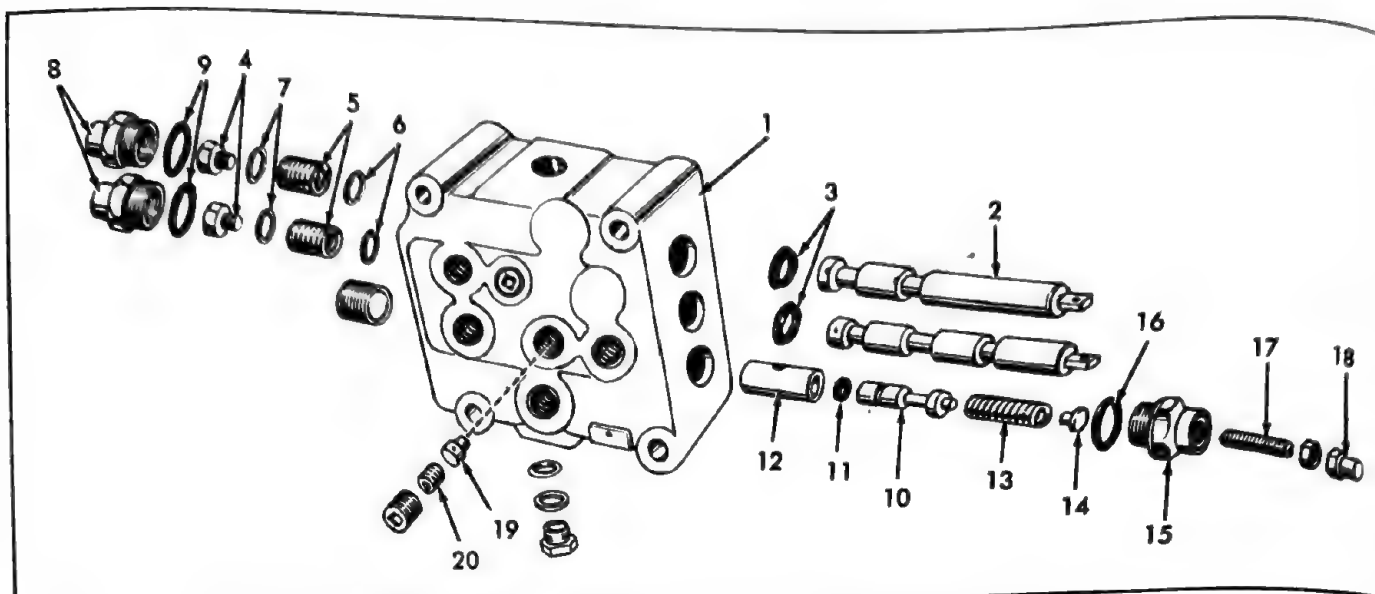
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2 PLUNGER CONTROL VALVE (STANDARD) (Cont'd)  
(CODE HQ)

ITEM	PART NUMBER	QTY.	DESCRIPTION
15	4716120	1	RING, seal (plunger seat)
16	4981912	1	SPRING, relief valve
17	4981896	1	GUIDE, spring
18	4981919	1	CAP, valve (relief)
19	4716104	1	RING, seal
20	4981688	1	SCREW, adjusting (valve)
	4981854	1	NUT, check
21	4981687	1	NUT, acorn

ASSEMBLY ON  
PACKAGE NO.



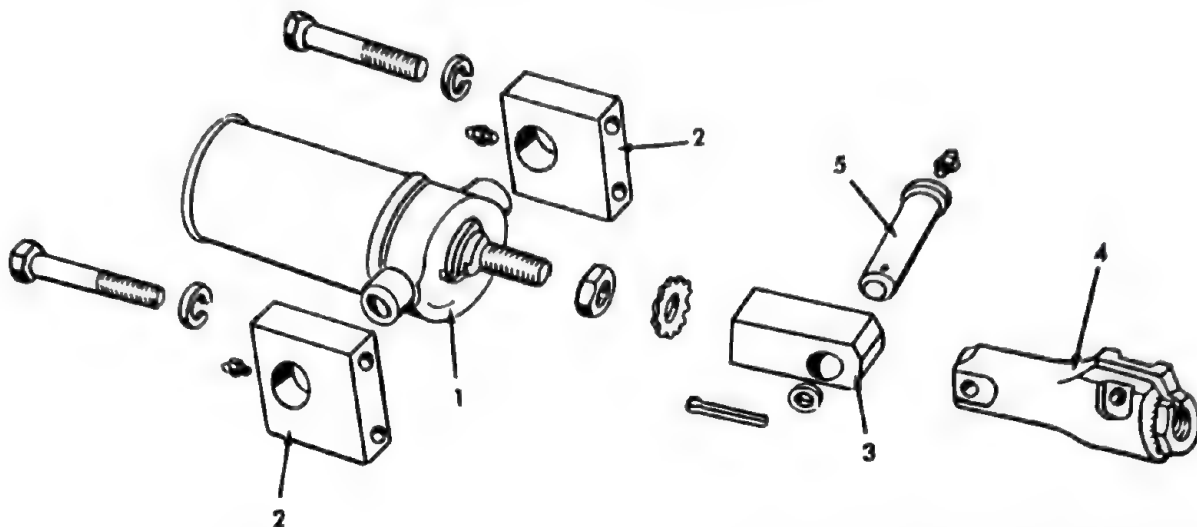
2 PLUNGER CONTROL VALVE (STANDARD)  
(CODE HYS)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4735293	1	VALVE ASSY., control (Incl. items 1 thru 20)	
1	-----	1	HOUSING, valve (Not serviced separately)	
	917686	1	PLUG, pipe	
	904223	1	PLUG, pipe	
2	-----	2	PLUNGER, control (Not serviced separately)	
3	4984387	2	SEAL, wiper (plunger)	
4	4984388	2	CAP, plunger	
5	4984390	2	SPRING, plunger	
6	4984389	2	WASHER, stop	
7	4984391	2	RETAINER, spring	
8	4984392	2	PLUG, plunger	
9	4984393	2	GASKET, plug	
10	4984394	1	POPPET, relief valve	
11	4984399	1	RING, seal	
12	4984395	1	SLEEVE, poppet	
13	4981715	1	SPRING, relief valve	
14	4984397	1	CAP, valve spring	
15	4984398	1	PLUG, relief valve	
16	4984393	1	GASKET, plug	
17	4984400	1	SCREW, adjusting	
	910123	1	NUT, jam	
18	4984401	1	NUT, cotter	

Continued

2 PLUNGER CONTROL VALVE (STANDARD) (Cont'd)  
(CODE HYS)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
19	4984402	2	POPPET, check valve	
20	4984403	2	SPRING, poppet (check valve)	
	904260	2	PLUG, pipe	



### TILT CYLINDER AND CONNECTIONS

\*For FB-FBL w/Serial Nos. Prior to 12482000  
For FPB-FPBL w/Serial Nos. Prior to 12616000

\*\*For FB-FBL Eff. w/Serial No. 12482000 and up  
For FPB-FPBL Eff. w/Serial No. 12616000 and up

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
1	4736025 <sup>†</sup>	1	-	CYLINDER ASSY., tilt (3-1/2") (Up to 108") (5° front - 10° back)	
	4710455 <sup>†</sup>	-	1	CYLINDER ASSY., tilt (3-1/2") (Up to 108") (5° front - 10° back)	
	4736130 <sup>†</sup>	1	-	CYLINDER ASSY., tilt (3") (More then 108") (3° Front - 10° back)	
	4710456 <sup>†</sup>	-	1	CYLINDER ASSY., tilt (3") (More then 108") (3° front - 10° back)	
	4710459 #	-	1	CYLINDER ASSY., tilt (4-1/2") (Non-Std) (11° front - 7° back)	
	4710455 <sup>†</sup>	-	1	CYLINDER ASSY., tilt (3-1/2") (For bottling trucks) (10° front - 5° back) (9° front - 6° back) ( <sup>†</sup> For components refer to pages 118 - 120) ( # For components refer to pages 118 - 120)	
2	4736063	2	2	BLOCK, trunnion (cylinder)	
	913159	4	4	CAPSCREW	
	904206	4	4	LOCKWASHER	
	914465	2	2	FITTING, lube	

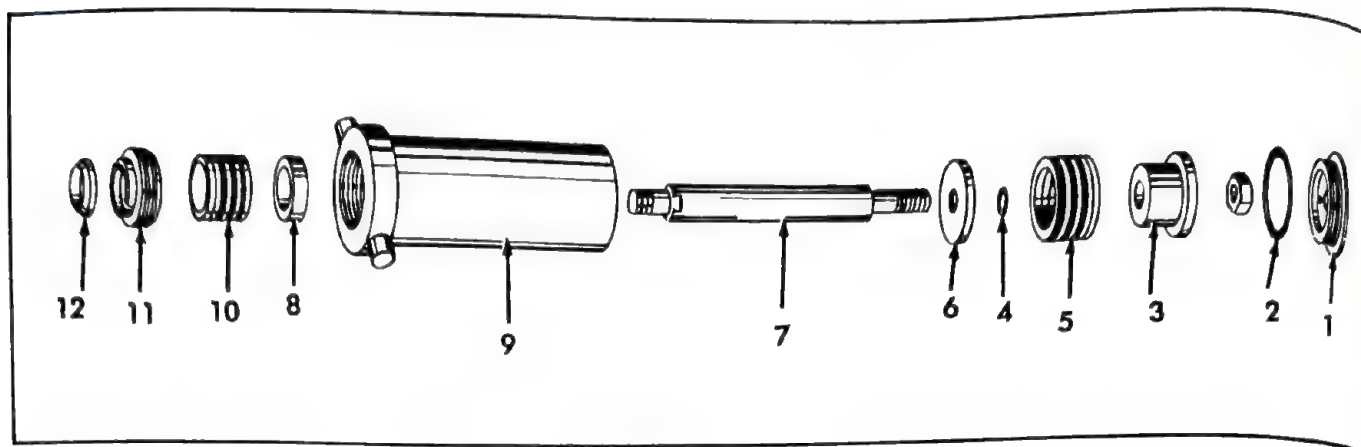
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# TILT CYLINDER AND CONNECTIONS (Cont'd)

\* For FB-FBL w/Serial No. Prior to 12482000  
 For FPB-FPBL w/Serial No. Prior to 12616000

\*\* For FB-FBL Eff. w/Serial No. 12482000 and up  
 For FPB-FPBL Eff. w/Serial No. 12616000 and up

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
3	4735357	1	-	CONNECTOR, cylinder (FB-FBL-std)	
	910847	1	-	NUT	
	4346324	1	-	WASHER	
	4735868	1	-	CONNECTOR, cylinder (FPB-FPBL-std)	
	910847	1	-	NUT	
	4346324	1	-	WASHER	
4	4710732	-	1	CLEVIS, cylinder (FB-FBL) (Std. & Non std. lifts)	
	4750335	-	1	CLEVIS, cylinder (FB-FBL) (Bottling trucks)	
	4711556	-	1	CLEVIS, cylinder (FPB-FPBL) (Std. lifts)	
5	4735421	1	1	PIN, connecting (to mast)	
	4250722	1	1	WASHER	
	900810	1	1	PIN, cotter	
	914465	1	1	FITTING, lube	



# TILT CYLINDER ASSEMBLY CODE HYS

\* For FB-FBL w/Serial Nos. prior to 12482000  
 \*\* For FB-FBL Eff. w/Serial No. 12482000 and up  
 \*\*\* For FPB-FPBL w/Serial Nos. Prior to 12616000  
 \*\*\*\* For FPB-FPBL Eff. w/Serial No. 12616000 and up

ITEM	PART NUMBER	*	**	QTY. ***	****	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4736025	1	-	1	-	CYLINDER ASSY., tilt (3-1/2" stroke) (Incl. items 1 thru 12)	
-	4710455	-	1	-	1	CYLINDER ASSY., tilt (3-1/2" stroke) (Incl. item 1 thru 12)	
-	4736130	1	-	1	-	CYLINDER ASSY., tilt (3" stroke) (Incl. items 1 thru 12)	
-	4710456	-	1	-	1	CYLINDER ASSY., tilt (3" stroke) (Incl. items 1 thru 12)	
-	4710459	-	1	-	1	CYLINDER ASSY., tilt (4-1/2" stroke) (Incl. items 1 thru 12)	
1	4984332	1	1	1	1	PLUG, end (Cylinder tube)	
2	4716125	1	1	1	1	"O" RING, end plug	
3	4984335	1	1	1	1	PLUNGER, cylinder	
	4984338	1	1	1	1	NUT, retaining	
4	4716098	1	1	1	1	"O" RING	
5	4716171	1	1	1	1	PACKING SET, plunger	
6	4984337	1	1	1	1	GUIDE, plunger	
7	4984333	1	-	1	-	ROD, plunger (3-1/2" stroke)	
	4988300	-	1	-	1	ROD, plunger (3-1/2" stroke)	
	4984352	1	-	1	-	ROD, plunger (3" stroke)	
	4988299	-	1	-	1	ROD, plunger (3" stroke)	
	4988891	-	1	-	1	ROD, plunger (4-1/2" stroke)	

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## TILT CYLINDER ASSEMBLY (Cont'd)

CODE HYS

\* For FB-FBL w/Serial Nos. prior to 12482000

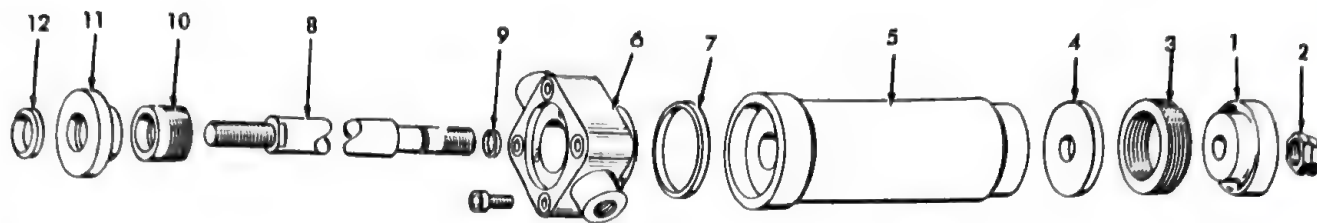
\*\* For FB-FBL Eff. w/Serial No. 12482000 and up

\*\*\* For FPB-FPBL w/Serial Nos. Prior to 12616000

\*\*\*\* For FPB-FPBL Eff. w/Serial No. 12616000 and up

ITEM	PART NUMBER	*	**	QTY. ***	****	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
8	4984339	1	1	1	1	RING, guide (Plunger rod)	
9	-----	1	1	1	1	TUBE, cylinder (Not serviced separately)	
10	4716172	1	1	1	1	PACKING SET, plunger rod	
11	4984341	1	1	1	1	NUT, packing	
12	4716659	1	1	1	1	RING, wiper	

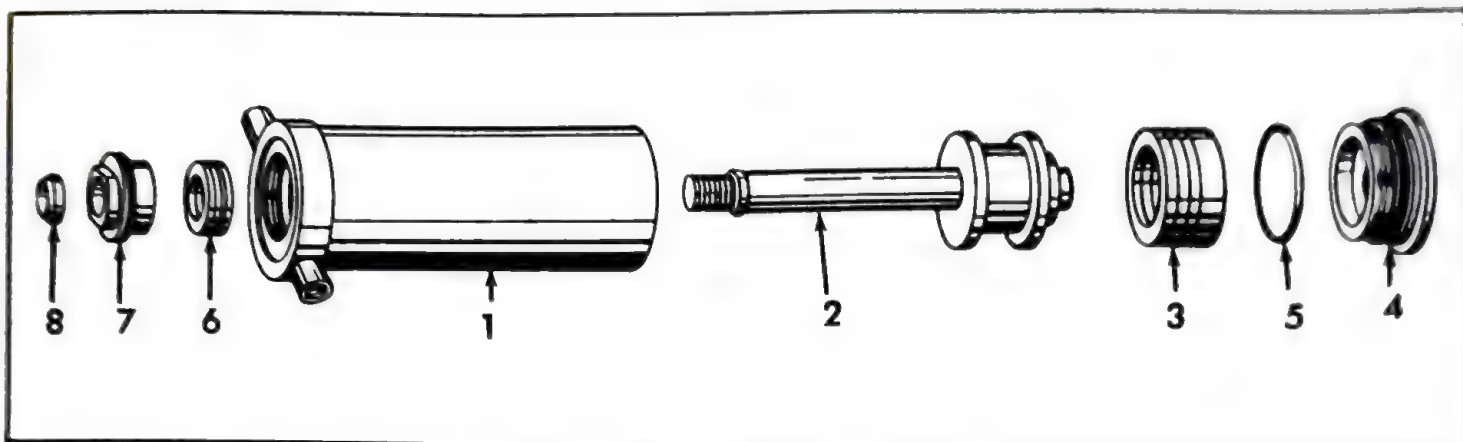




# TILT CYLINDER ASSEMBLY CODE CW

\* For FB-FBL w/Serial Nos. prior to 12482000  
 \*\* For FB-FBL Eff. w/Serial No. 12482000 and up  
 \*\*\* For FPB-FPBL w/Serial Nos. prior to 12616000  
 \*\*\*\* For FPB-FPBL Eff. w/Serial No. 12616000 and up

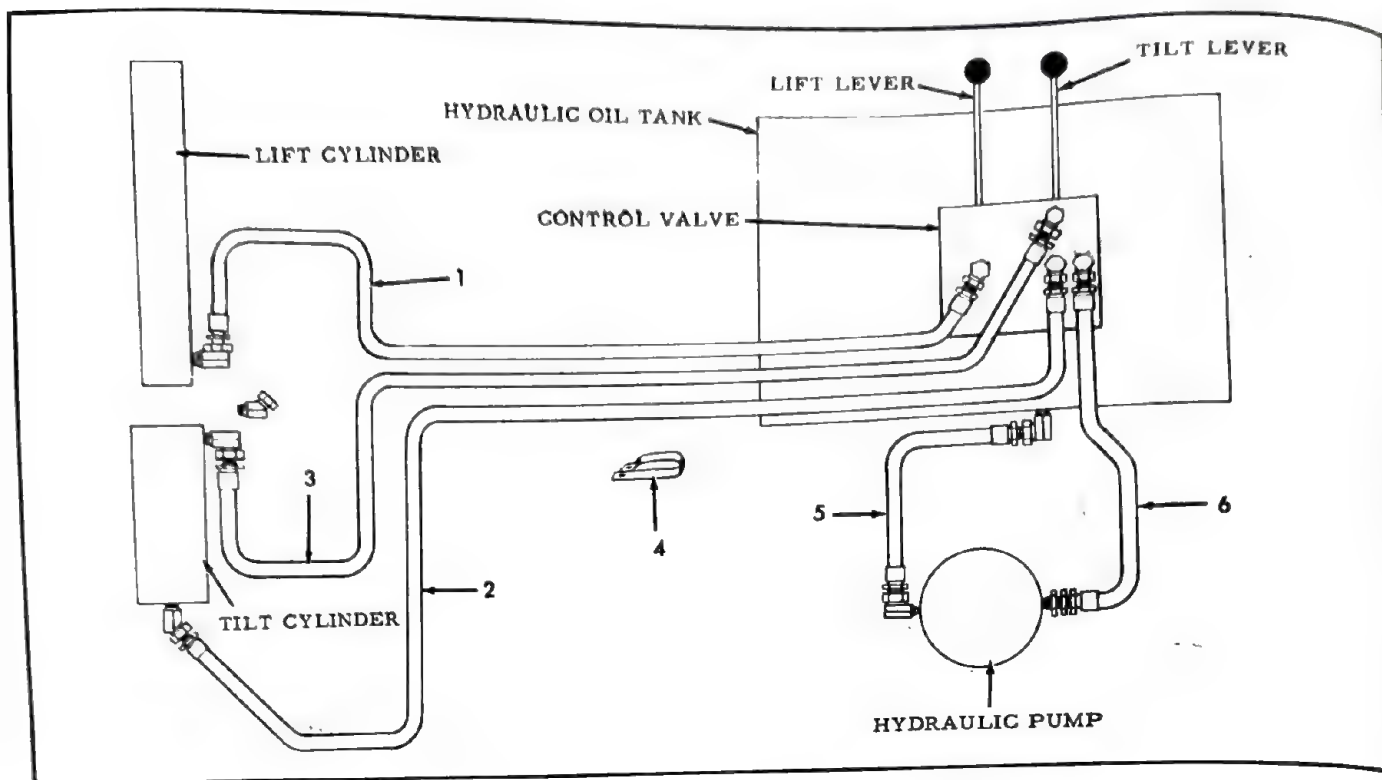
ITEM	PART NUMBER	*	**	QTY. ***	****	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4736025	1	-	1	-	CYLINDER ASSY., tilt (3-1/2" stroke) (Incl. items 1 thru 12)	
	4710455	-	1	-	1	CYLINDER ASSY., tilt (3-1/2" stroke) (Incl. items 1 thru 12)	
	4736130	1	-	1	-	CYLINDER ASSY., tilt (3" stroke) (Incl. items 1 thru 12)	
	4710456	-	1	-	1	CYLINDER ASSY., tilt (3" stroke) (Incl. items 1 thru 12)	
1	4984355	1	1	1	1	PISTON, cylinder	
2	4984359	1	1	1	1	NUT, retainer	
	900809	1	-	1	-	PIN, cotter	
	4988620	-	1	-	1	PIN, cotter	
3	4716178	1	1	1	1	PACKING SET, piston	
4	4984357	1	1	1	1	RETAINER, packing	
5	-----	-	-	-	-	TUBE, cylinder (Not serviced separately)	
6	4984364	1	-	1	-	HEAD, trunnion (cylinder)	
	4984366	4	-	4	-	CAPSCREW, socket head	
7	4716126	1	1	1	1	"O" RING	
8	4984354	1	-	1	-	ROD, piston (3-1/2" stroke)	
	4988622	-	1	-	1	ROD, piston (3-1/2" stroke)	
	4984368	1	-	1	-	ROD, piston (3" stroke)	
	4988623	-	1	-	1	ROD, piston (3" stroke)	
9	4716095	1	1	1	1	"O" RING, piston rod	
10	4716179	1	1	1	1	PACKING SET, trunnion head	
11	4984360	1	1	1	1	NUT, packing gland	
12	4716659	1	1	1	1	RING, wiper	



**TILT CYLINDER ASSEMBLY**  
(Code HQ)

\* For FB & FBL Units Prior to Serial No. 12482000  
\*\* For FPB & FPBL Units Prior to Serial No. 12616000

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
-	4736025	1	-	CYLINDER ASSY., tilt (3-1/2" stroke) (Incl. items 1 thru 8)	
-	4736130	-	1	CYLINDER ASSY., tilt (3" stroke) (Incl. items 1 thru 8)	
1	-----	1	1	TUBE, cylinder (Not serviced separately)	
2	4981950	1	1	PISTON and PISTON ROD	
3	4716176	1	1	PACKING SET, piston	
4	4981952	1	1	COVER	
5	4716126	1	1	"O" RING, cover	
6	4710770	1	1	PACKING SET, rod	
7	4981954	1	1	NUT, packing gland	
8	4716659	1	1	RING, wiper	



### HYDRAULIC HOSES AND FITTINGS (Standard)

\* Used Prior to Serial No. 9667000  
 \*\* Eff. w/Serial No. 9667000 and up

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
1	4708515	1	1	HOSE, lift cylinder (For Std. Lift Cylinder)	
	4806406	1	-	ELBOW, 90° (To cylinder)	
	4252647	-	1	ELBOW, 45° (To cylinder)	
	4806406	1	1	ELBOW, 90° (To valve)	
	4708515	1	-	HOSE, lift cylinder (For H.F.L. cylinder)	
	4708514	-	1	HOSE, lift cylinder (For H.F.L. cylinder)	
	4252647	1	1	ELBOW, 45° (to cylinder)	
	4806406	1	1	ELBOW, 90° (to valve)	
2	4708512	1	-	HOSE, tilt cylinder (forward)	
	4708599	1	-	ELBOW, 90° (to valve)	
	4252647	1	-	ELBOW, 45° (to cylinder)	
	4720993	-	1	HOSE, tilt cylinder (forward)	
	4708603	-	1	ELBOW, 90° (to valve)	
	4811136	-	1	ELBOW, 45° (to cylinder)	
	901826	-	1	REDUCER	
3	4708513	1	-	HOSE, tilt cylinder (back)	
	4806406	2	-	ELBOW, 90° (back hose)	
	4720994	-	1	HOSE, tilt cylinder (back)	
	4708603	-	2	ELBOW, 90° (back hose)	
4	4736879	1	1	CLAMP, hose	

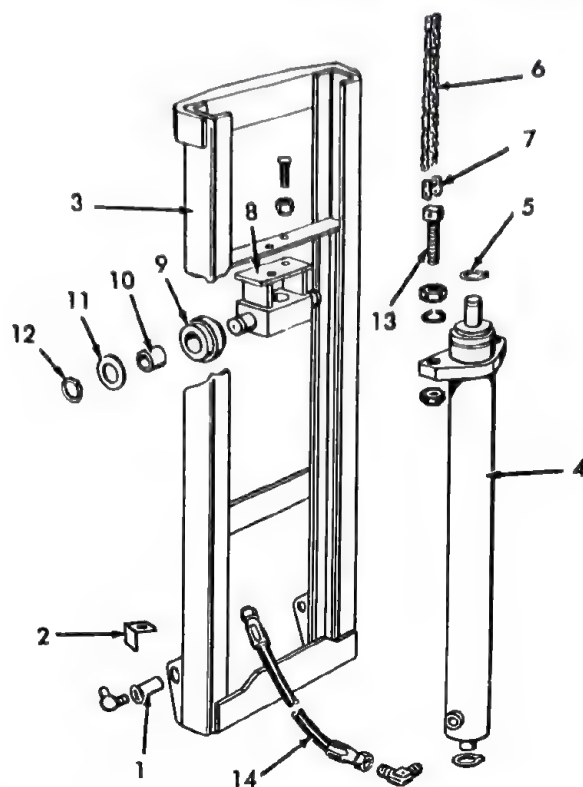
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**HYDRAULIC HOSES AND FITTINGS (Cont'd)**  
(Standard)

\* Used Prior to Serial No. 9667000

\*\* Eff. w/Serial No. 9667000 and up

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
5	4708510	1	1	HOSE (tank to pump)	
	4708596	1	1	ELBOW (to tank)	
	4708597	1	1	ELBOW (to pump)	
6	4708511	1	1	HOSE (pump to valve)	
	4252197	1	1	COUPLING (to pump)	
	4806406	1	1	ELBOW (to valve)	



STANDARD MAST ASSEMBLY

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	-----	1	MAST ASSY (Incl. items 3 thru 14) (See Machinery)	
1	4735452	2	PIN, pivot (mast)	
	915274	2	FITTING, lube	
2	4710123	2	CLIP, pivot pin	
	911686	2	SETSCREW	
	910323	2	NUT	
	904205	2	LOCKWASHER	
3	-----	1	RAIL ASSY (Incl. WEAR STRIPS) (For Tabulation)	
	4735482	*	STRIP, wear (.1055-.0985) (* Use as required)	
	4735483	*	STRIP, wear (.0845-.0775) (* Use as required)	
	4735484	*	STRIP, wear (.060-.054) (* Use as required)	
4	-----	1	CYLINDER, lift (See Tabulation)	
5	4253190	2	RING, cylinder retaining	
6	-----	1	CHAIN, lift (See Tabulation)	
7	4251194	4	LINK, connecting, chain	
8	4735350	1	CROSSHEAD, cylinder	
	901401	2	BOLT	
	916951	2	NUT	
	916966	2	LOCKWASHER	

Continued

## STANDARD MAST ASSEMBLY (Cont'd)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
9	4710221	2	ROLLER ASSY., chain (Incl. item 10)	
	915275	2	FITTING, lube	
10	4709500	2	BUSHING, chain roller	
11	4735420	2	WASHER	
12	4253195	2	RING, snap, roller retaining	
13	4735369	2	ANCHOR, chain	
	4103030	2	NUT, retaining	
	910345	2	NUT, jam	
	904209	2	LOCKWASHER	
14	4708515	1	HOSE, lift cylinder (For trucks prior Serial #9567000 also order fittings)	
	4252647	1	ELBOW, 45° (to cylinder)	

**TABULATION OF STANDARD MAST ASSEMBLIES**  
(For Models FB & FBL) (Cushion or Solid Tires)

Lift	O. A. L.	Free Lift	Item No. 3 Rail Assy. Inner and Outer (Matched Set)	Item No. 4 Lift Cylinder	Item No. 6 Lift Chain
72"	65"	24"	4715715	4735968*	4733423
80"	69"	24"	4751245	4736790*	4731084
84"	65"	12"	4751243	4735969*	4729244
84"	71"	24"	4715716	4735969*	4729244
92"	70"	14"	4751246	4736794*	4728182
96"	71"	12"	4751247	4736796*	4731697
98"	71"	10"	4751248	4736797*	4736878
102"	80"	24"	4751249	4736799*	4738041
108"	83"	24"	4715717	4735970*	4738034
110"	78"	12"	4751250	4736802*	4735364
114"	83"	18"	4715718	4735971*	4736212
120"	83"	12"	4715719	4735972*	4738036
124"	85"	12"	4751251	4735975*	4735366
132"	89"	12"	4751252	4735973*	4738037
144"	95"	12"	4751244	4735974*	4738038
152"	95"	4"	4751253	4736817*	4747571
154"	100"	12"	4751254	4736818*	4738040
156"	98"	6"	4751255	4736329*	4738040
156"	101"	12"	4751256	4736329*	4738040
156"	107"	24"	4751257	4736329*	4738040
158"	98"	6"	4751258	4736819*	4731909
168"	112"	24"	4751259	4736639*	4737012
176"	108"	6"	4751260	4740763*	4740764
180"	110"	6"	4751261	4719657*	4738039
180"	113"	12"	4751262	4719657*	4738039

(\* Refer to LIFT CYLINDER (Standard Mast) for Serviceable Components)



**TABULATION OF STANDARD MAST ASSEMBLIES**  
**(For Models FPB & FPBL) (Pneumatic or Laminated Tires)**

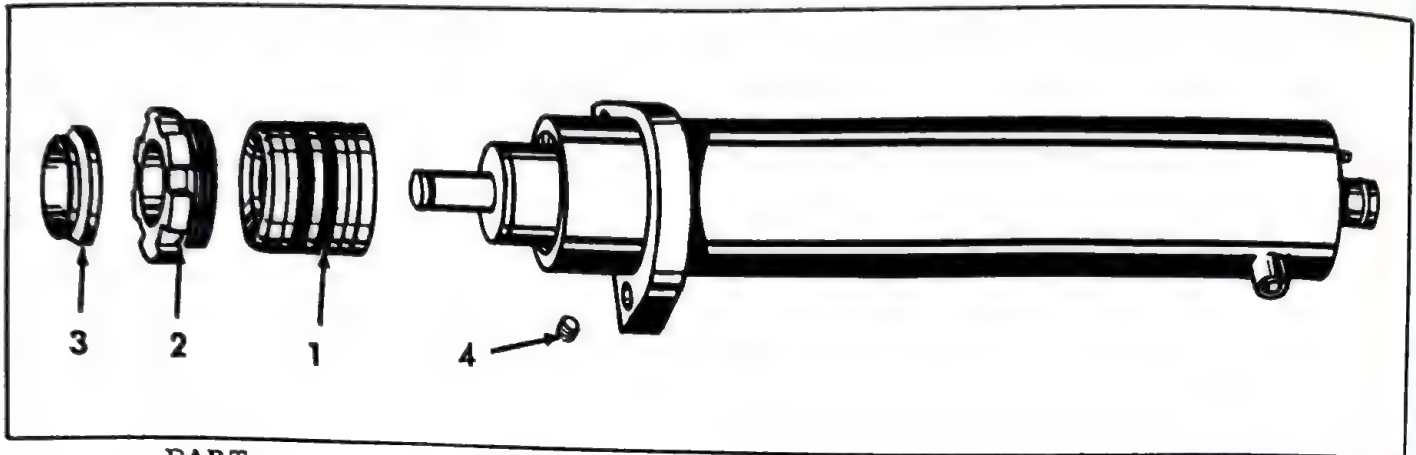
Lift	O. A. L.	Free Lift	Item No. 3 Rail Assy. Inner and Outer (Matched Set)	Item No. 4 Lift Cylinder	Item No. 6 Lift Chain
72"	65"	24"	4715724	4735968*	4733423
84"	65"	12"	4751263	4735969*	4729244
84"	71"	24"	4715725	4735969*	4729244
96"	68"	6"	4751265	4736796*	4731697
96"	71"	12"	4751266	4736796*	4731697
96"	77"	24"	4751267	4736796*	4731697
108"	83"	24"	4715726	4735970*	4738034
114"	83"	18"	4715727	4735971*	4736212
120"	83"	12"	4715728	4735972*	4738036
128"	83"	4"	4751268	4736807*	4735825
132"	89"	12"	4751269	4735973*	4738037
144"	95"	12"	4751264	4735974*	4738038
156"	96"	2"	4751270	4736329*	4738040
156"	107"	24"	4751271	4736329*	4738040
180"	113"	12"	4751272	4719657*	4738039

(\* Refer to LIFT CYLINDER (Standard Masts) for serviceable components)

# LIFT CYLINDER (Standard Mast)

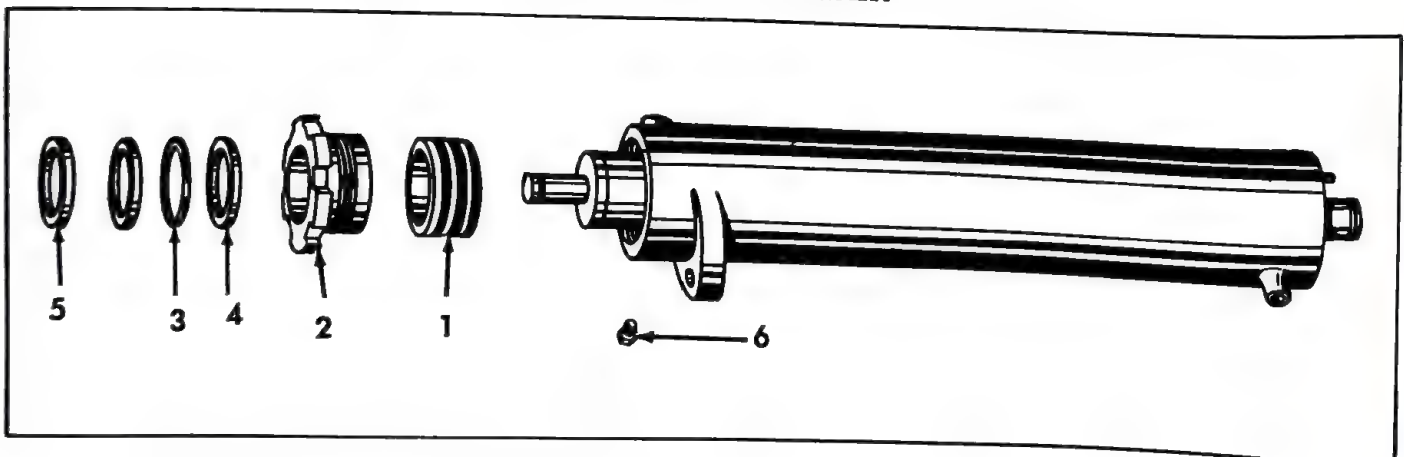
Lift Cylinders for Standard Masts are supplied by three manufacturers and are identified by part numbers and code letters stamped near the top of each cylinder. Code letters will be HQ, CW or HYS.

## CODE HQ LIFT CYLINDER



ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4716177	1	PACKING SET	
2	4981956	1	NUT, packing gland	
3	4716670	1	RING, wiper	
4	4981628	1	PLUG, bleeder	

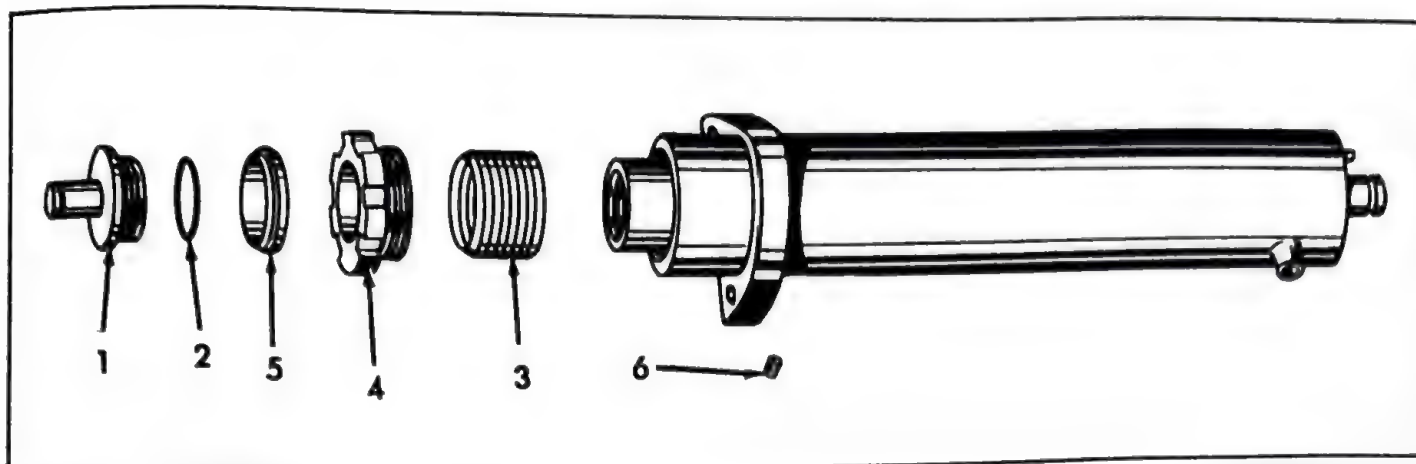
## CODE CW LIFT CYLINDER



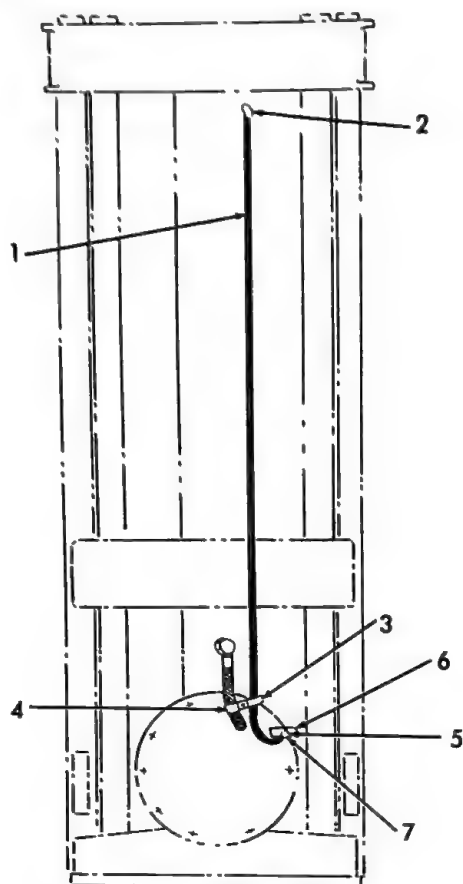
1	4716180	1	PACKING SET
2	4984370	1	NUT, packing gland
3	4716110	1	"O" RING
4	4984372	2	RING, non-extrusion
5	4716667	1	RING, wiper
6	4981634	1	SCREW, bleeder

Continued

# CODE HYS LIFT CYLINDER

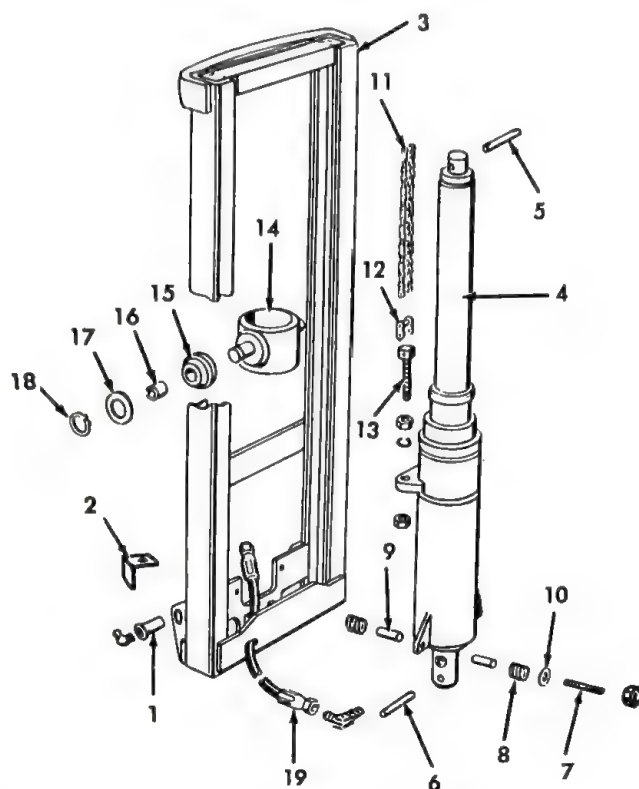


ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4984350	1	END, plunger (upper)	
2	4716123	1	"O" RING, upper end	
3	4716170	1	PACKING SET	
4	4984347	1	NUT, packing gland	
5	4716667	1	RING, wiper	
6	4984350	1	SCREW, bleeder	



LEAKAGE RETURN LINE  
(Standard Mast)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4741144	1	TUBE, plastic - cyl. to bulkhead fitting	
2	4740225	1	ELBOW, line to cylinder - 90°	
3	4716089	1	CLAMP, return line	
4	4253511	1	CLAMP, lift cylinder hose	
	905660	1	CAPSCREW	
	910323	1	NUT	
	904205	1	LOCKWASHER	
5	4740259	1	FITTING, bulkhead	
6	4740229	1	BRACKET, fitting	
7	4740602	1	TUBE, plastic-fitting to reservoir	
	4740225	1	ELBOW, return line - to reservoir - 90°	
	901825	1	REDUCER, elbow	



# HIGH FREE LIFT MAST ASSEMBLY

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	-----	1	MAST ASSY (Incl. items 3 thru 19) (See MACHINERY)	
1	4735452	2	PIN, pivot	
	915274	2	FITTING, lube	
2	4710123	2	CLIP, pivot pin	
	917098	2	SETSCREW	
	910323	2	NUT	
	904205	2	LOCKWASHER	
	-----	1	RAIL ASSY (Incl. WEAR STRIP) (See Tabulation)	
	4735482	*	STRIP, wear (.1055-.0985) (Use as required)	
3	4735483	*	STRIP, wear (.0845-.0775) (* Use as required)	
	4735484	*	STRIP, wear (.060-.054) (* Use as required)	
4	-----	1	CYLINDER, lift (See Tabulation)	
	4704327	1	BREATHER, (For HQ Cylinders only)	
5	4736039	1	PIN, mounting (upper)	
	900806	2	PIN, cotter	
6	4736040	1	PIN, mounting (lower)	
	900806	2	PIN, cotter	
7	4736615	2	STUD, equalizer (cylinder)	
	910863	2	NUT, stud	
	900801	2	PIN, cotter	

Continued

## HIGH FREE LIFT MAST ASSEMBLY (Cont'd)

ASSEMBLY OR  
PACKAGE NO.

ITEM	PART NUMBER	QTY.	DESCRIPTION
8	4736219	4	SPRING, equalizer stud
9	4726218	2	WASHER, spring retaining
10	4805215	4	SPACER, spring
11	-----	1	CHAIN, lift (See Tabulation)
12	{ 4250571	4	LINK, chain connecting
	{ 4250569	*	LINK, offset (* Use as required)
13	4735369	2	ANCHOR, chain
	910124	2	NUT, retaining
	910345	2	NUT, jam
	904209	2	LOCKWASHER
14	{ 4718347	1	CROSSHEAD, cylinder (For Code HQ cylinders)
	{ 902870	2	SETSCREW
	{ 4716667	1	RING, wiper
	{ 4736036	1	CROSSHEAD, cylinder (For Code CW cylinders)
15	902870	2	SETSCREW
15	4736037	2	ROLLER, chain (Incl. item 16)
	917192	2	FITTING, lube
16	4709500	2	BUSHING, roller
17	4735420	2	WASHER
18	4253195	2	RING, snap
19	4708515	1	HOSE, lift cylinder (For trucks prior Serial
			#9667000 also order fittings)
	4252647	1	ELBOW, 45° (To cylinder)
	4806406	1	ELBOW, 90° (to valve)

**TABULATION OF HIGH FREE LIFT MAST ASSEMBLIES**  
(For Models FB & FBL) (Cushion or Solid Tires)

Lift	O.A.L.	Free Lift	Item No. 3 Rail Assy Inner and Outer (Matched Set)	Code HQ	Item No. 4 Lift Cylinder* Code CW**	Code CW***	Item No. 11 Lift Chain	
							For Code HQ Cylinder	For Code CW Cylinder
74"	55"	36"	4751274	4715554	4736336	4744289	4736594	4736594
100"	68"	46"	4715720	4715555	4736349	4744362	4731274	4736596
106"	71"	52"	4715721	4715556	4736324	4744365	4736596	4736596
108"	72"	53"	4751275	4715561	-----	-----	4736597	-----
110"	73"	54"	4751276	4715575	-----	-----	4736597	-----
114"	75"	56"	4751277	4715559	4736355	4744369	4736597	4736597
116"	76"	57"	4751278	4715577	4736356	4744370	4736597	4731275
118"	77"	58"	4751279	4715578	-----	-----	4731275	-----
120"	78"	59"	4751280	4715557	4736358	4744372	4731275	4731275
124"	80"	61"	4751281	4715580	-----	-----	4731273	-----
130"	83"	61"	4715722	4715558	4735967	4744377	4733423	4733423
140"	89"	67"	4751282	4715587	-----	-----	4732360	-----
144"	91"	69"	4751273	4715589	-----	-----	4736598	-----
152"	96"	77"	4751283	4715593	4736373	4744388	4729244	4729244

\* Our High Free Lift Cylinder are supplied by two different manufacturers and are identified by Code Letters and Numbers, and our Part Numbers, which are stamped near the top of the Primary Cylinder. These letters and numbers must be stated when lift cylinders or parts are ordered.

\*\* Code CW A-2059 and A-2059A  
\*\*\* Code CW 3SH1800MI



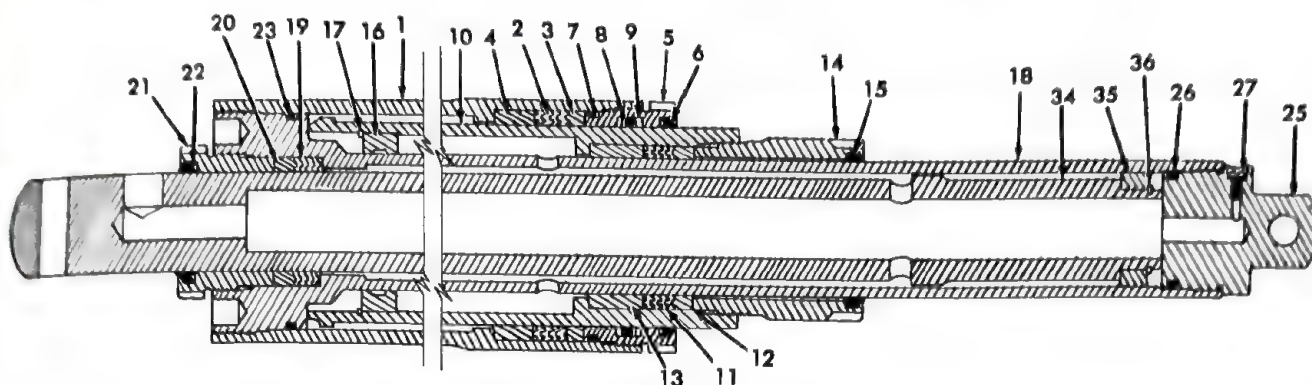
**TABULATION OF HIGH FREE LIFT MAST ASSEMBLIES**  
**(For Models FPB & FPBL) (Pneumatic or Laminated Tires)**

Lift	O.A.L.	Free Lift	Item No. 3	Item No. 4		Code CW***	Item No. 11
			Rail Assy. Inner & Outer (Matched Set)	Lift Cylinder *			Lift Chain
				Code HQ	Code CW**		
74"	55"	36"	4751285	4715554	4736336	4744289	4736594
84"	60"	41"	4751286	4715566	4736341	4744294	4728220
94"	65"	46"	4751287	4715560	4736346	4744299	4736595
100"	68"	49"	4715729	4715555	4736349	4744362	4736596
106"	71"	52"	4715730	4715556	4736324	4744365	4728908
108"	72"	53"	4751288	4715561	-----	4744366	4736597
120"	78"	59"	4751289	4715557	4736358	4744372	4736597
130"	83"	61"	4715731	4715558	4735967	4744377	4733423
144"	91"	69"	4751284	4715589	-----	4744384	4736598

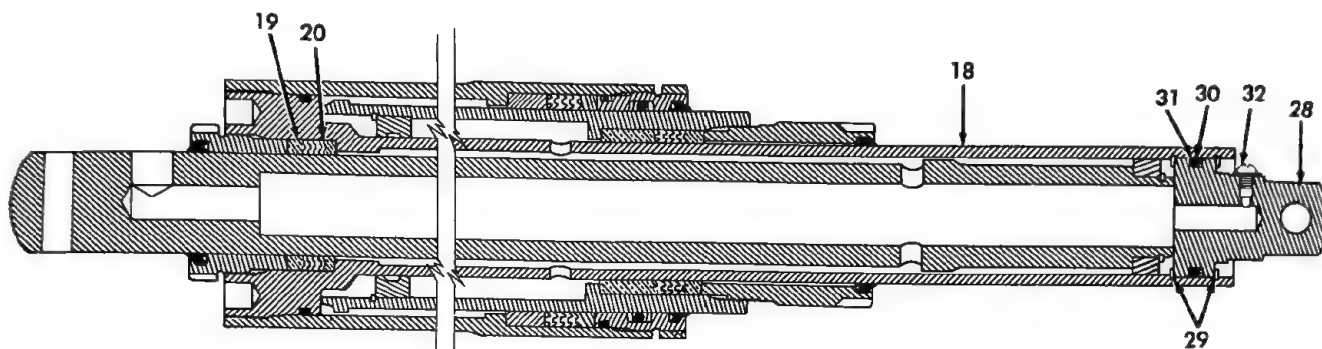
\* Our High Free Lift Cylinders are supplied by two different manufacturers and are identified by Code letters and numbers and out part numbers which are stamped near the top of the primary cylinder. These letters and numbers must be given when lift cylinders or parts are ordered.

\*\* Code CW A-2059 and A-2059A

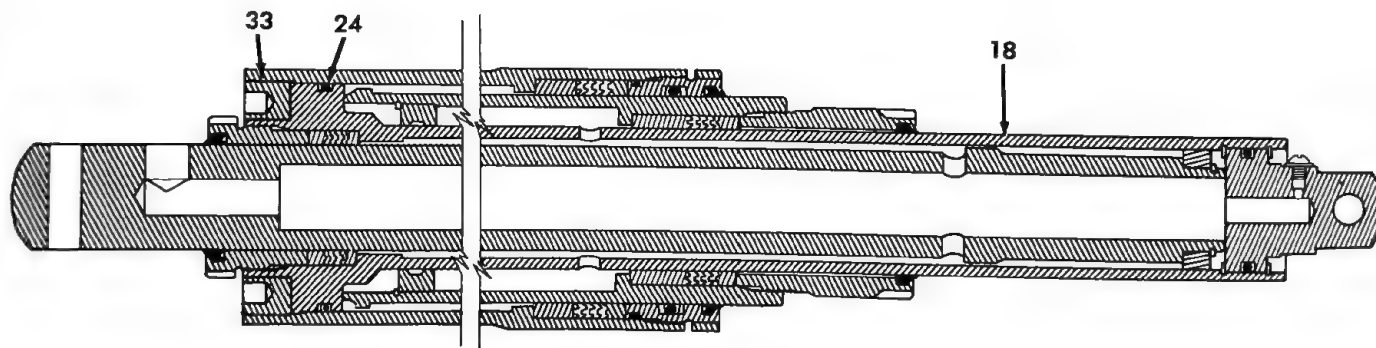
\*\*\* Code CW 3SH1800MI



\* 1st Design Secondary Cylinder



\*\* 2nd Design Secondary Cylinder



\*\*\* 3rd Design Secondary Cylinder

# LIFT CYLINDER-HIGH FREE LIFT CODE CW

(For Manufacturer's Model Nos. CW-A-2059 and A-2059A)

\* 1st Design    \*\* 2nd Design    \*\*\* 3rd Design

ITEM	PART NUMBER	QTY.			DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**	***		
1	-----	1	1	1	CYLINDER, primary (State part number of lift cylinder and Code letters and number when ordering)	

Continued

## LIFT CYLINDER-HIGH FREE LIFT (Cont'd)

CODE CW

(For Manufacturer's Model Nos. CW-A-2059 and A-2059A)

\* 1st Design    \*\* 2nd Design    \*\*\* 3rd Design

ITEM	PART NUMBER	*	QTY. **	***	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
2	4715874	1	1	1	PACKING SET, primary cylinder	
3	4984414	1	1	1	RING, adaptor	
4	4984415	1	1	1	RING, base	
5	4984416	1	1	1	NUT, packing	
6	4716669	1	1	1	RING, wiper	
7	4716116	1	1	1	"O" RING, inner	
8	4716135	1	1	1	"O" RING, outer	
9	4981163	2	1	1	RING, non-extrusion	
10	-----	1	1	1	PLUNGER, primary (State part number of lift cylinder and Code letters and number when ordering)	
11	4715869	1	1	1	PACKING SET, primary plunger	
12	4984421	1	1	1	RING, adaptor	
13	4984422	1	1	1	RING, base	
14	4984423	1	1	1	NUT, packing	
15	4716667	1	1	1	RING, wiper	
16	4984425	1	1	1	GUIDE, inner (primary plunger)	
17	4984426	1	1	1	RING, retainer	
18	-----	1	1	1	CYLINDER, secondary (State part number of lift cylinder and code letters and number when ordering)	
19	4715867	1	1	1	PACKING SET (Secondary cylinder)	
20	4984428	1	1	1	RING, adaptor	
20A	4984429	1	1	1	RING, base	
21	4984430	1	1	1	NUT, packing	
22	4716662	1	1	1	RING, wiper	
23	4716133	1	1	1	"O" RING, lower seal	
24	4984686	-	-	1	RING, non-extrusion	
25	4984432	1	-	-	HEAD, cylinder (Secondary)	
26	4811232	1	-	-	"O" RING	
27	4984434	1	-	-	SCREW, bleeder	
28	4984437	-	1	1	HEAD, cylinder (Secondary)	

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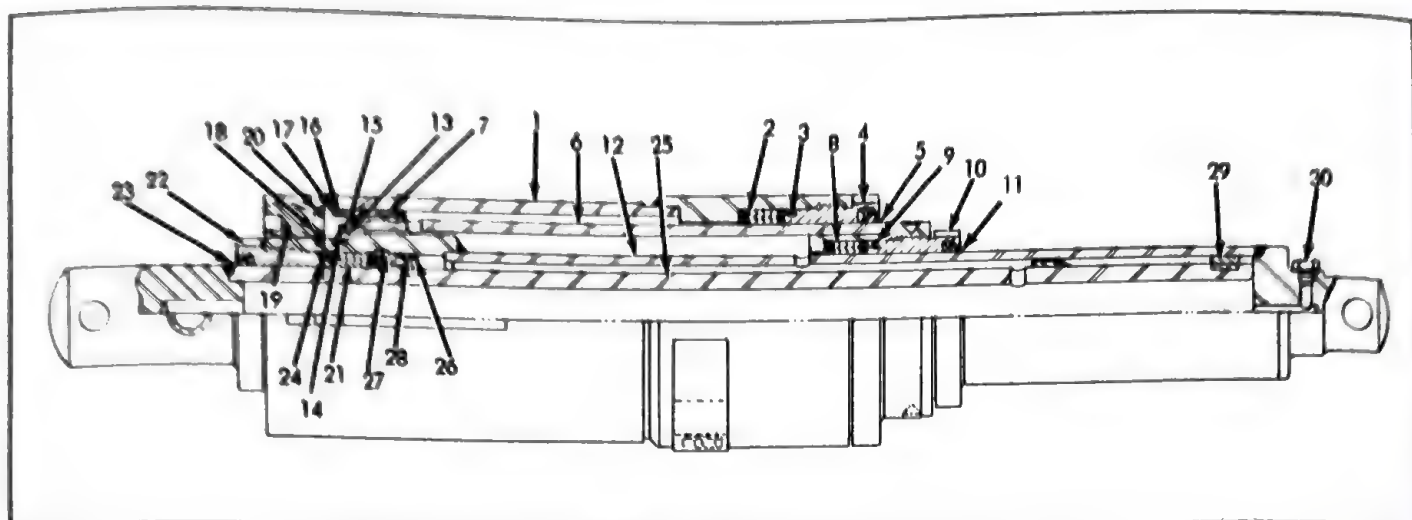
## LIFT CYLINDER-HIGH FREE LIFT (Cont'd)

CODE CW

(For Manufacturer's Model Nos. CW-A-2059 and A-2059A)

\* 1st Design \*\* 2nd Design \*\*\*3rd Design

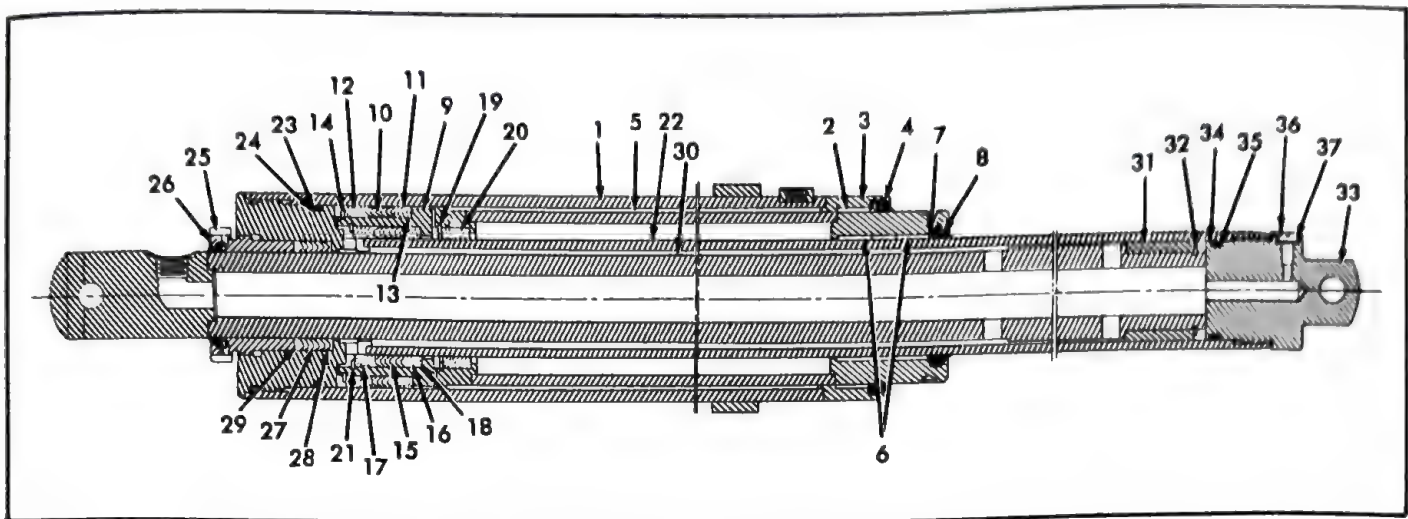
ITEM	PART NUMBER	*	QTY. **	***	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
29	4984438	-	1	1	RING, retainer	
30	4811232	-	1	1	"O" RING	
31	4984439	-	1	1	RING, non-extrusion	
32	4984440	-	2	2	SCREW, bleeder	
	914686	-	2	2	WASHER, copper (bleeder screw)	
33	4984687	-	-	1	RETAINER, cylinder (Secondary)	
34	-----	1	1	1	PLUNGER, secondary (State part number of lift cylinder and Code letters and number when ordering)	
35	4984435	1	1	1	GUIDE, plunger	
36	4984436	1	1	1	RING, retainer (plunger)	



**LIFT CYLINDER - HIGH FREE LIFT**  
**CODE CW**  
 (For Manufacturers Model No. CW-3SH1800M1-)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	-----	1	CYLINDER, primary (State part number of lift cylinder and Code letters and number, when ordering)	
2	4985470	1	PACKING ASSY.	
3	4716135	1	"O" RING, outer	
4	4987794	1	NUT, packing gland	
5	4716669	1	RING, wiper	
6	-----	1	PLUNGER, primary (State part number of lift cylinders and code letters and number, when ordering)	
7	4987786	1	RING, wear	
8	4985466	1	PACKING ASSY.	
9	4716127	1	"O" RING	
10	4987796	1	NUT, packing gland	
11	4987795	1	RING, wiper	
12	-----	1	CYLINDER, secondary (State part number of lift cylinder and code letters and number, when ordering)	
13	4987784	1	PLATE, end	
14	4716127	1	"O" RING (inner)	
15	4987783	1	RING, non-extrusion (inner)	
16	4716133	1	"O" RING (outer)	
17	4987782	1	RING, non-extrusion (outer)	
18	4987781	1	RING, split	
19	4987780	1	RETAINER (Secondary cylinder)	
20	4716131	1	"O" RING, retainer	
21	4987785	1	PACKING ASSY.	
22	4987779	1	NUT, packing gland	
23	4987788	1	"O" RING	
24	4716662	1	RING, wiper	
25	-----	1	PLUNGER, secondary (State part number of lift cylinder and code letters and number, when ordering)	
26	4987789	1	STOP, spacer	
27	4987787	1	RING, retainer	
28	4987788	1	"O" RING	
29	4987797	1	BEARING, plunger (Secondary)	
30	4981634	1	SCREW, bleeder	





LIFT CYLINDER - HIGH FREE LIFT  
CODE HQ  
(For Manufacturers Model No. HQ-1HP-TA18ZBB)

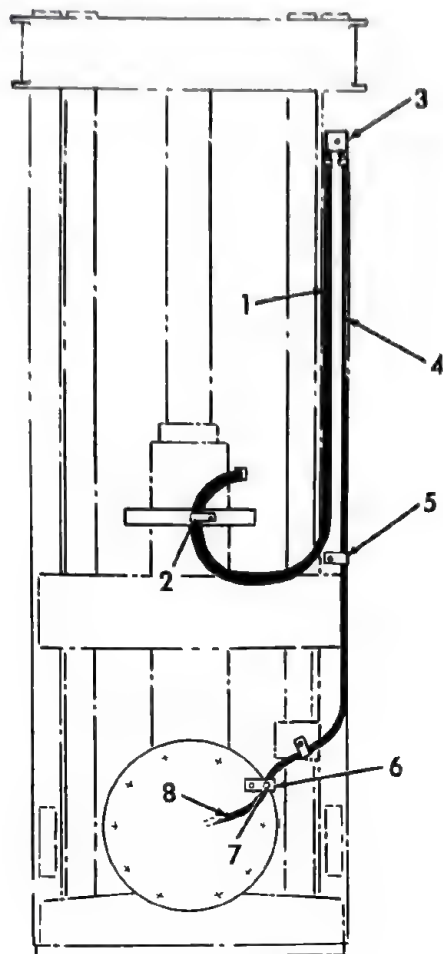
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	-----	1	CYLINDER, primary (State part number of lift cylinder, and Code letters and number when ordering)	
2	4984715	1	BUSHING, primary cylinder (upper)	
3	4716133	1	"O" RING, upper	
4	4716669	1	RING, wiper	
5	-----	1	PLUNGER, primary (State part number of lift cylinder and Code letters and number, when ordering)	
6	4984710	2	BUSHING, primary plunger (upper)	
7	4716126	1	"O" RING	
8	4716670	1	RING, wiper	
9	4984699	1	PISTON, primary plunger	
10	4715880	1	PACKING, piston (outer)	
11	4984700	1	BUSHING, outer packing (upper)	
12	4984701	1	BUSHING, outer packing (lower)	
13	4984702	*	SHIM, outer packing (* Use as required)	
14	4984703	1	SNAP RING, retainer (outer packing)	
15	4715869	1	PACKING, piston (inner)	
16	4984704	1	BUSHING, inner packing (upper)	
17	4984705	1	BUSHING, inner packing (lower)	
18	4984706	*	SHIM, inner packing (* Use as required)	
19	4984707	1	SNAP RING, retainer (inner packing)	

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LIFT CYLINDER - HIGH FREE LIFT (Cont'd)  
CODE HQ  
(For Manufacturers Model No. HP-1HP-TA182BB)

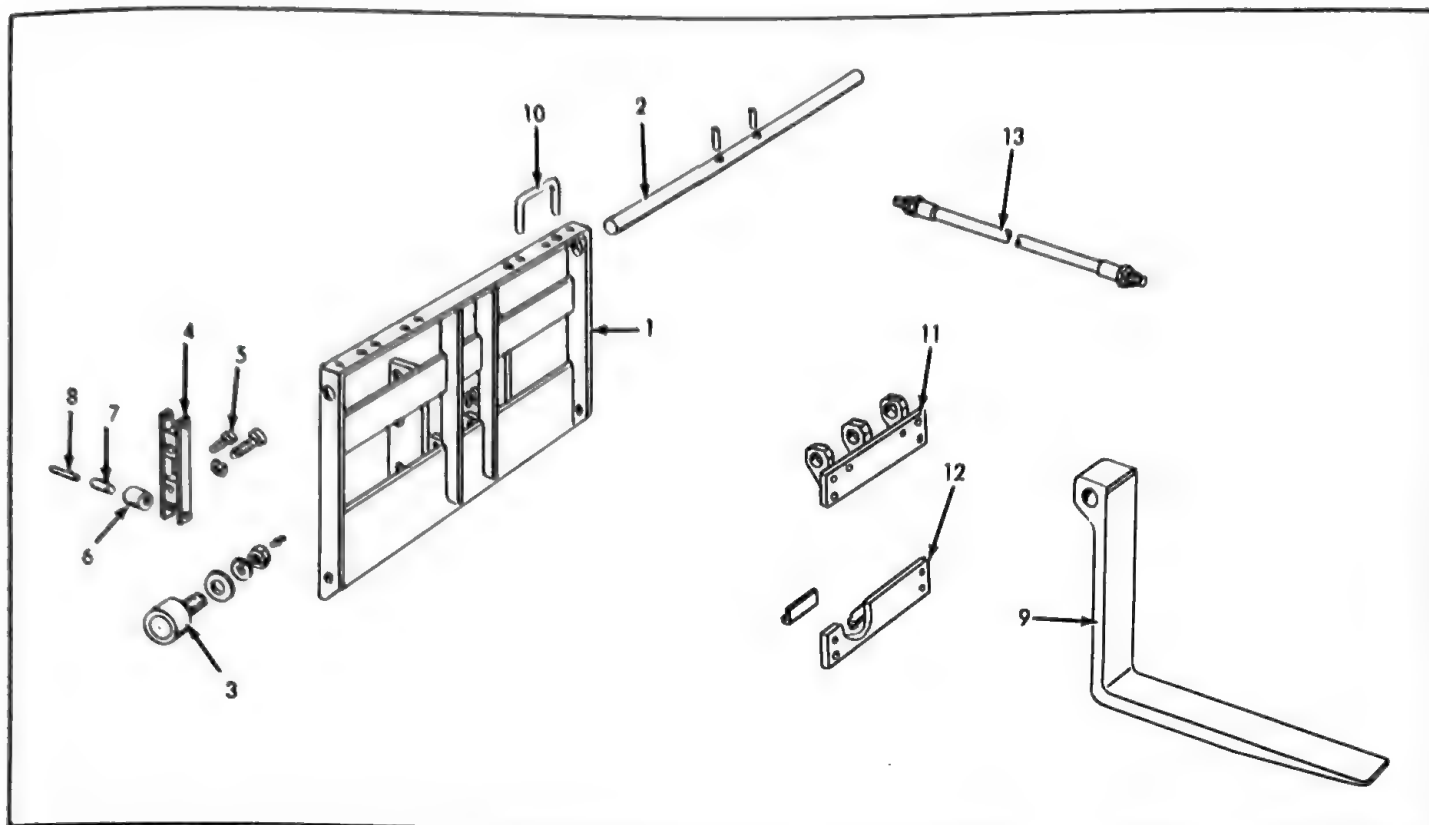
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
20	4984708	1	BUSHING, lower (primary plunger)	
21	4984707	1	SNAP RING, retaining	
22	-----	1	CYLINDER, secondary (State part number of lift cylinder and code letters and number when ordering)	
23	4716115	1	"O" RING, lower (Secondary cylinder)	
24	4984698	1	RING, back-up, lower (Secondary cylinder)	
25	4984696	1	NUT, packing	
26	4716662	1	RING, wiper	
27	4715867	1	PACKING SET	
28	4984717	1	BUSHING, packing (upper)	
29	4984718	1	BUSHING, packing (lower)	
30	-----	1	PLUNGER, secondary (State part number of lift cylinder and code letters and number when ordering)	
31	4984711	1	BUSHING, upper (Secondary plunger)	
32	4984712	1	SNAP RING, retaining	
33	4984713	1	PLUG, end (Secondary plunger)	
34	4716113	1	"O" RING	
35	4984714	1	RING, back-up	
36	4984538	3	SCREW, bleeder	
37	4981932	3	GASKET, bleeder screw	





**LEAKAGE RETURN LINE**  
(High Free Lift Masts) (w/CODE HQ Cylinder only)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4741168	1	HOSE, flexible (Cyl. to junction box)	
	4719488	2	CONNECTOR	
	915399	1	ELBOW (To cylinder)	
	4272842	1	CLAMP, hose	
2	4251645	1	CLAMP, hose	
	905660	2	CAPSCREW	
	904205	3	LOCKWASHER	
3	4740266	1	BLOCK, junction	
	903773	1	CAPSCREW	
	910230	1	PLUG, pipe	
4	4741169	1	TUBE (Junct. block to bulkhead fitting) (Plastic)	
	4740224	1	UNION, half (At junct. block)	
5	4716089	1	CLAMP, tube	
	905660	1	CAPSCREW	
	904205	1	LOCKWASHER	
6	4740259	1	FITTING, bulkhead	
7	4740229	1	BRACKET	
8	4740602	1	TUBE (Fitting to reservoir) (Plastic)	
	4740225	1	ELBOW (To reservoir)	
	901825	1	REDUCER, elbow	



STANDARD CARRIAGE ASSEMBLY  
(Standard or High Free Lift Masts)

\* For 2 or 3 Plunger Valve  
\*\* For 4 Plunger Valve

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
-	-----	1	1	CARRIAGE ASSY (See machinery)	
	4735315	1	-	FRAME, 32"	
	4741278	-	1	FRAME, 32" (cushion tire only)	
	4718863	1	-	FRAME, 32" (for side shifter attachment)	
	4735894	1	-	FRAME, 35"	
1	4741301	-	1	FRAME, 35" (pnuematic tire only)	
	4718864	1	-	FRAME, 35" (for side shifter attachment)	
	4701712	1	-	FRAME, 42"	
	4714085	1	-	FRAME, 48"	
	4700664	1	-	FRAME, 54"	
	4735426	1	1	SHAFT, fork, 32"	
	4735906	1	1	SHAFT, fork, 35"	
	4701725	1	-	SHAFT, fork, 42"	
2	4714159	1	-	SHAFT, fork, 48"	
	4700719	1	-	SHAFT, fork, 54"	
	4735727	2	2	PIN, roll (shaft retaining)	

Continued

STANDARD CARRIAGE ASSEMBLY (Cont'd)  
(Standard or High Free Lift Masts)

\* For 2 or 3 Plunger Valve

\*\* For 4 Plunger Valve

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
3	4736617	4	-	ROLLER, load (upper and lower)	
	4736617	-	2	ROLLER, load (upper)	
	911116	4	2	WASHER, spacer	
	910365	4	2	NUT	
	905347	4	2	LOCKWASHER	
	917200	4	-	FITTING, lube	
	914687	-	2	FITTING, lube	
	4722714	-	2	ROLLER, load (lower)	
	911116	-	2	WASHER, spacer	
	911193	-	2	NUT	
	905347	-	2	LOCKWASHER	
	914687	-	2	FITTING, lube	
	4735371	2	2	BRACKET, side roller	
	906704	4	4	CAPSCREW	
	904209	4	4	LOCKWASHER	
5	912565	4	4	SETSCREW, adjusting	
	910510	4	4	NUT	
	904208	4	4	LOCKWASHER	
6	4735375	4	4	ROLLER ASSY., side(Incl. next item)	
7	4735377	4	4	BUSHING	
8	4735378	4	4	SHAFT, side roller	
	4735720	4	4	PIN, roll	
9	-----	2	-	FORK, standard pallet (See Tabulation)	
	-----	2	-	FORK, tapered and polished (See Tabulation)	
	-----	3	-	FORK, concrete block (See Tabulation)	
10	4735411	2	-	LOCK, fork	

ATTACHING PARTS FOR MOUNTING CASCADE HYDRAULIC  
ATTACHMENT TO STANDARD CARRIAGE

\* For Load-Grab w/3 Plunger Valve

\*\* For Side-Shift Load-Grab w/4 Plunger Valve

11	4741904	1	1	PLATE ASSY., adaptor, upper (attachment)	
12	4741908	1	1	PLATE ASSY., adapter, lower (attachment)	
	913210	10	10	CAPSCREW, attachment mounting	
	904209	10	10	LOCKWASHER	
13	4708580	2	-	HOSE (to attachment) (27" long)	
	4720991	-	4	HOSE (to attachment) (30-1/4" long)	
	4808207	2	4	ADAPTOR, hose (straight)	

Continued

**ATTACHING PARTS FOR MOUNTING UNIVERSAL COTTON  
CLAMP (2 BALE) TO STANDARD CARRIAGE**

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4717138	2	CAPSCREW, attaching (clamp)	
	907621	2	LOCKWASHER	
	917223	4	SETSCREW	
13	4708527	1	HOSE, connecting (23-1/2" long)	
	4708528	1	HOSE, connecting (28-1/2" long)	
	4811115	2	ELBOW, hose	

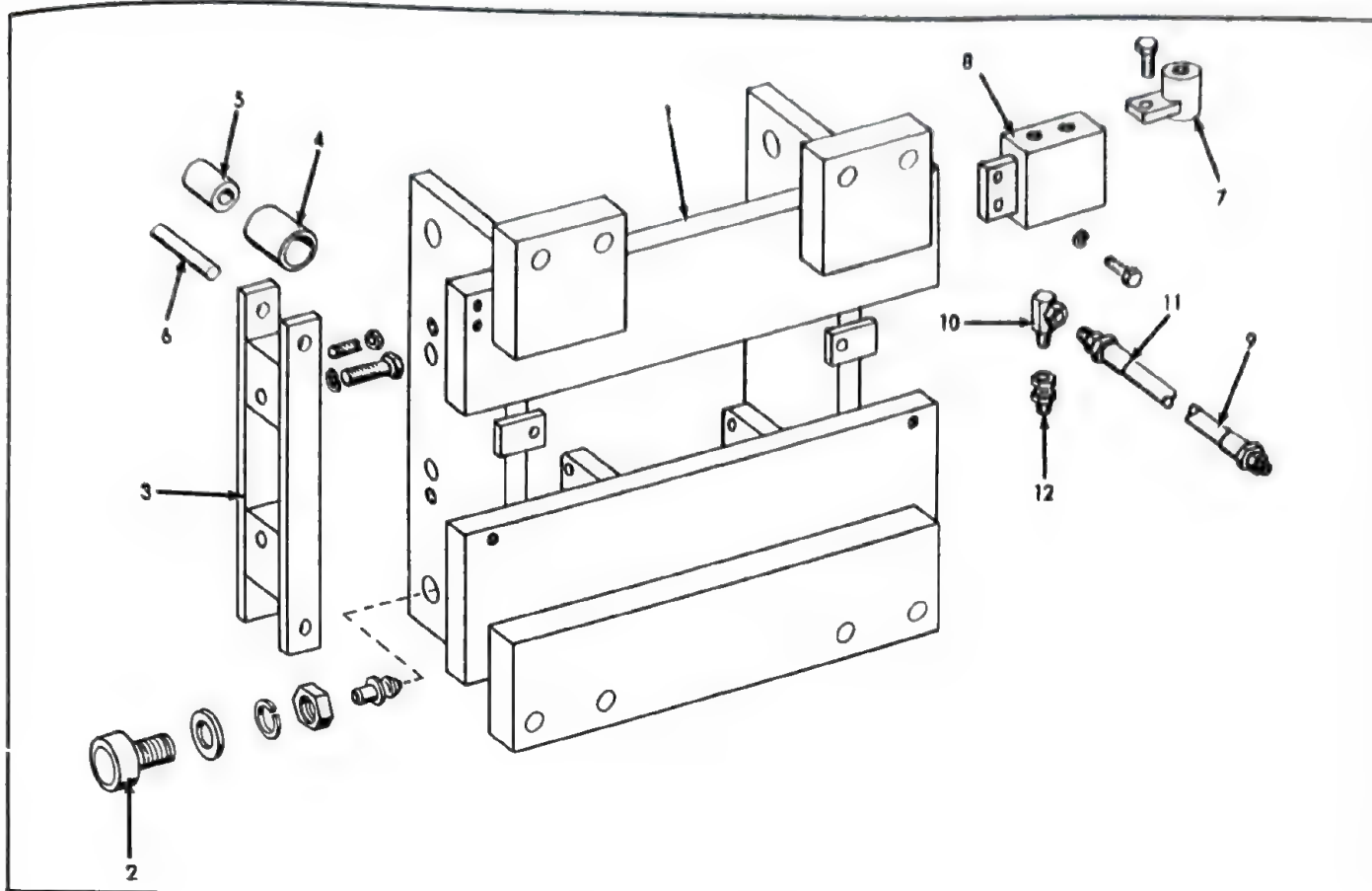
**CARRIAGE EXTENSION BACK REST  
(Includes Mounting Brackets)**

HEIGHT	QTY.	CUSHION TIRE	PNEUMATIC TIRE
48"	1	4736907	4736931
60"	1	4736908	4736926
72"	1	4736903	4739898

**TABULATION OF FORKS  
(For Standard or High Free Lift Masts)**

PALLET FORKS			TAPERED AND POLISHED FORKS		
LENGTH	QTY.	PART NO.	LENGTH	QTY.	PART NO.
30"	2	4714631	30"	2	4714642
36"	2	4714633	36"	2	4714643
42"	2	4714635	42"	2	4714646
48"	2	4714636	48"	2	4714647
54"	2	4714637	54"	2	4714648
60"	2	4714638	60"	2	4714649

CONCRETE BLOCK FORKS			PALLET FORK EXTENSIONS		
LENGTH	QTY.	PART NO.	LENGTH	QTY.	PART NO.
24"	3	4737496	36"	2	4708401
30"	3	4716048	42"	2	4708402
36"	3	4716049	48"	2	4708403
38"	3	4716050	54"	2	4708404
42"	3	4716051	60"	2	4708405
46"	3	4716052	66"	2	4708406
48"	3	4716053	72"	2	4708407



**PLATE TYPE CARRIAGE FOR CASCADE ATTACHMENT**  
(w/Attaching Parts)

Standard and High Free Lift Masts

\* For Cascade Load Grab and 3 Plunger Valve

\*\* For Cascade Side-Shift Load Grab and 4 Plunger Valve

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
1	4737978	1	-	FRAME, carriage	
	4741330	-	1	FRAME, carriage	
	4736617	4	-	ROLLER, load (upper and lower)	
	4736617	-	2	ROLLER, load (upper)	
	911116	4	2	WASHER, spacer	
	910365	4	2	NUT	
	905347	4	2	LOCKWASHER	
	917200	4	-	FITTING, lube	
	914687	-	2	FITTING, lube	
2	4722714	-	2	ROLLER, load (lower)	
	911116	-	2	WASHER, spacer	
	911193	-	2	NUT	
	905347	-	2	LOCKWASHER	
	914687	-	2	FITTING, lube	
3	4735371	2	2	BRACKET, roller (side)	
	906704	4	4	CAPSCREW	
	904209	4	4	LOCKWASHER	
	912565	4	4	SETSCREW, adjusting	
	910510	4	4	NUT	
	904208	4	4	LOCKWASHER	
				Continued	

**PLATE TYPE CARRIAGE FOR CASCADE ATTACHMENT (Cont'd)**  
**(w/Attaching Parts)**

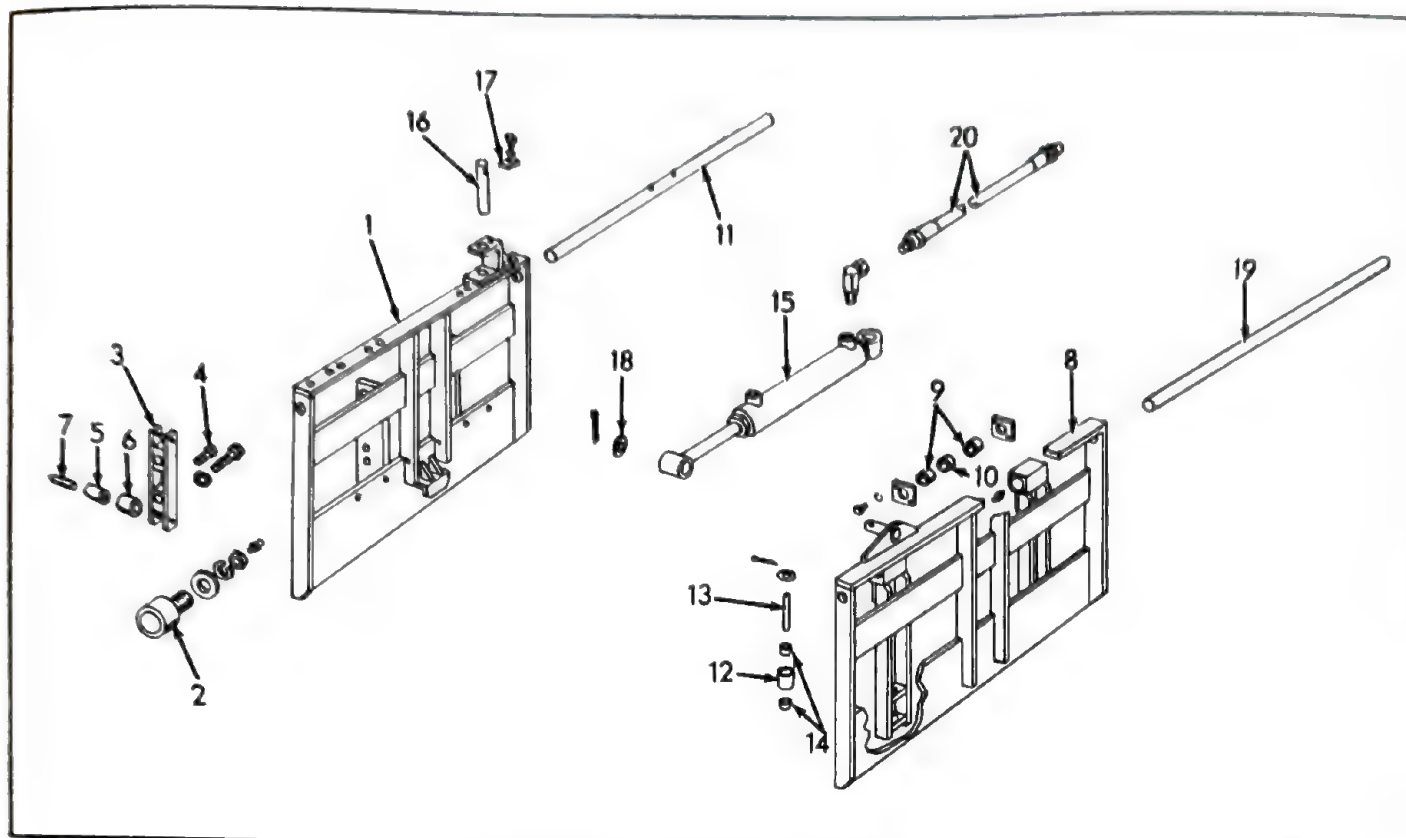
**Standard and High Free Lift Masts**

**\* For Cascade Load Grab and 3 Plunger Valve**

**\*\* For Cascade Side-Shift Load Grab and 4 Plunger Valve**

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
4	4735375	4	4	ROLLER ASSY., side (Incl. item 5)	
5	4735377	4	4	BUSHING	
6	4735378	4	4	SHAFT, side roller	
	4735720	4	4	PIN, roll	
	(NOTE: The following items are attaching parts for Cascade Attachments when mounted to Plate Type carriages, only. For attaching parts to mount to Standard carriages refer to Standard Carriage Assy. Page 143.)				
	912328	8	8	CAPSCREW, attachment mounting	
	904209	8	8	LOCKWASHER	
7	4738020	2	-	BLOCK, junction (on carriage)	
	914330	2	-	CAPSCREW	
	904205	2	-	LOCKWASHER	
8	4744772	-	2	BLOCK, junction (on carriage)	
	903626	-	4	CAPSCREW	
	904205	-	4	LOCKWASHER	
9	4708565	2	-	HOSE, (to attachment)	
	4708662	-	4	HOSE, (to attachment)	
10	4708605	2	2	ELBOW (long)	
	4811115	-	2	ELBOW (short)	
11	4708624	-	8	COUPLING, hose (reusable)	
12	4808207	-	4	ADAPTER, hose (straight)	





### SIDE SHIFTER ATTACHMENT

(Adjustable Fork Type)

Standard and High Free Lift Masts

\* For Cushion Tire Units } For use with 3 Plunger Control Valve  
 \*\* For Pneumatic Tire Units }

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
1	4718864	1	-	FRAME, carriage (main)	
	4718863	-	1	FRAME, carriage (main)	
2	4736617	4	4	ROLLER, load	
	911116	4	4	WASHER, spacer	
	910365	4	4	NUT	
	905347	4	4	LOCKWASHER	
	917200	4	-	FITTING, lube	
3	4735371	2	2	BRACKET, side roller	
	906704	4	4	CAPSCREW	
4	904209	4	4	LOCKWASHER	
	912565	4	4	SETSCREW, adjusting	
	910510	4	4	NUT	
	904208	4	4	LOCKWASHER	
5	4735375	4	4	ROLLER ASSY., side (Incl. item 6)	
6	4735377	4	4	BUSHING	
7	4735378	4	4	SHAFT, side roller	
	4735720	4	4	PIN, roll (shaft	
8	4718366	1	-	FRAME, carriage (auxiliary)	
	4718373	-	1	FRAME, carriage (auxiliary)	

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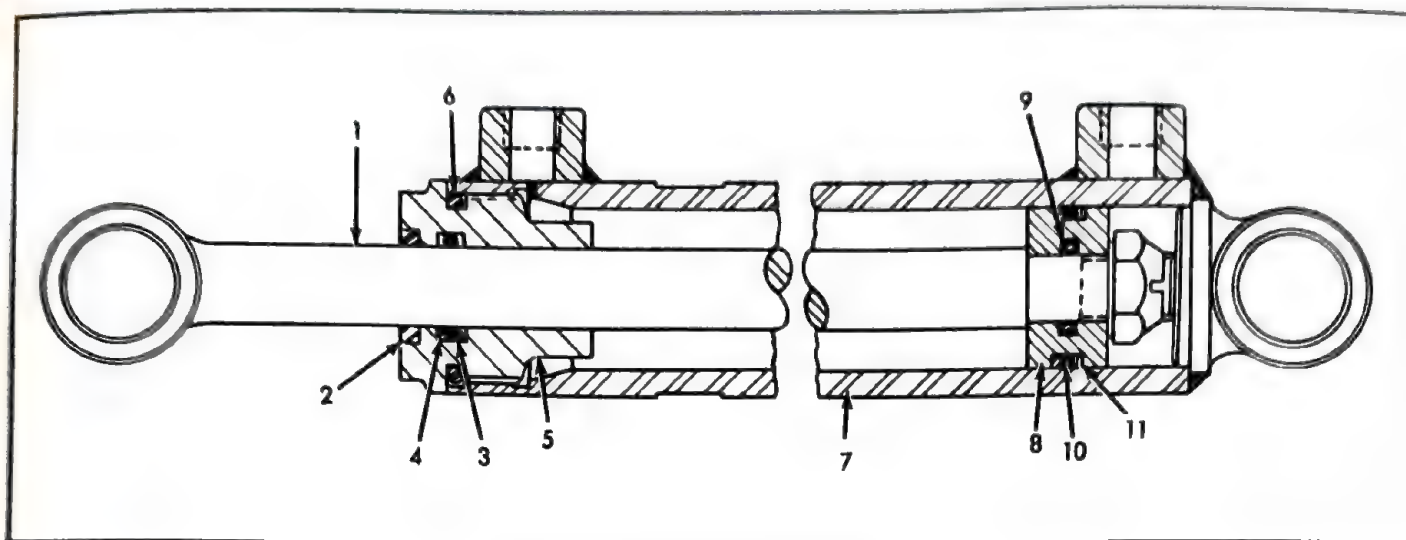
# SIDE SHIFTER ATTACHMENT (Cont'd)

(Adjustable Fork Type)

Standard and High Free Lift Masts

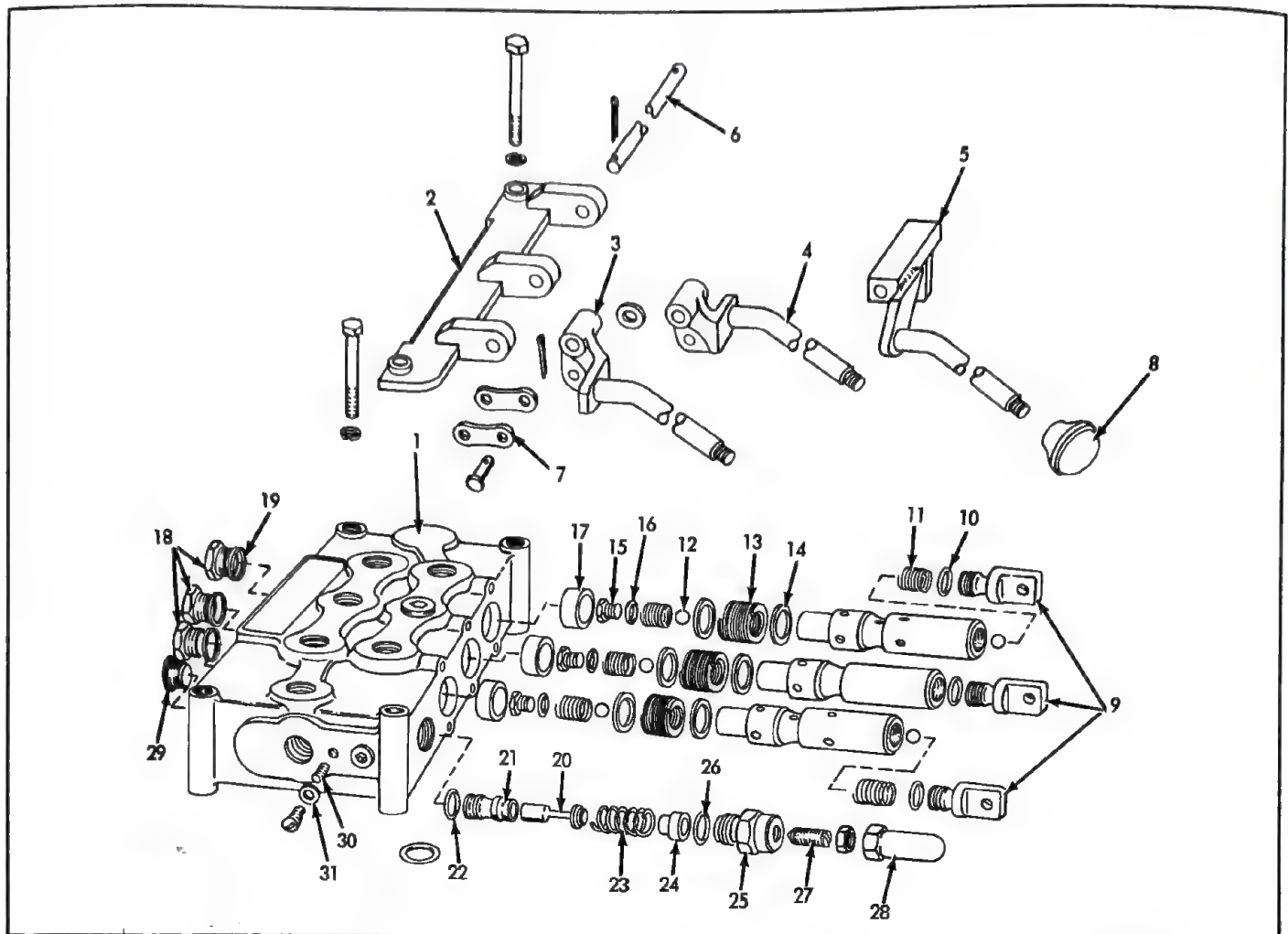
\* For Cushion Tire Units } For use with 3 Plunger Control Valve  
 \*\* For Pneumatic Tire Units }

ITEM	PART NUMBER	QTY. * **		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
9	4716603	4	4	BUSHING, hanger (aux. frame)	
	903685	2	2	FITTING, lube	
10	4717144	2	2	SPACER (bushing)	
	4720669	4	4	PLATE, retaining	
	905655	8	8	CAPSCREW	
	904204	8	8	LOCKWASHER	
11	4702794	1	-	SHAFT, mounting (aux. frame)	
	4702446	-	1	SHAFT, mounting (aux. frame)	
	4709736	3	3	PIN, roll	
12	4724220	2	2	ROLLER ASSY., (aux. carriage) (Incl. item 14)	
13	4740150	2	2	SHAFT, roller	
	910244	4	4	WASHER	
	900806	4	4	PIN, cotter	
	903685	2	2	FITTING, lube	
14	4724207	2	2	BUSHING, roller	
15	4718319	1	1	CYLINDER, side shifter (Refer to page 149 for components)	
16	4746614	1	1	PIN, cylinder mounting	
17	4715785	1	1	PLATE, lock	
	905655	1	1	CAPSCREW	
	904204	1	1	LOCKWASHER	
18	912038	1	1	WASHER, piston rod (cylinder)	
	912364	1	1	PIN, cotter	
19	4702794	1	-	SHAFT, fork	
	4702446	-	1	SHAFT, fork	
	4735727	2	2	PIN, roll	
20	4708563	1	1	HOSE, connecting (hydraulic) (16")	
	4720990	1	1	HOSE, connecting (hydraulic) (12")	
	4811115	2	2	ELBOW, hose (Hose from any Hyd. Hose groups may be used for illustration)	



SIDE SHIFTER CYLINDER

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4718319	1	CYLINDER, side shifter (Incl. items 1 thru 11)	
1	4990935	1	ROD, piston	
2	4254269	1	RING, wiper	
3	4716098	1	"O" RING, piston rod	
4	4990934	1	RING, non-extrusion	
5	4990933	1	HEAD, cylinder	
6	4980002	1	"O" RING, cylinder head	
7	4990936	1	BARREL, cylinder	
8	4990998	1	PISTON, cylinder	
	4990937	1	LOCKNUT	
9	4716097	1	"O" RING (inner)	
10	4980001	1	"O" RING (outer)	
11	4990931	2	RING, non-extrusion	



### 3 PLUNGER CONTROL VALVE AND LEVERS (Code HQ)

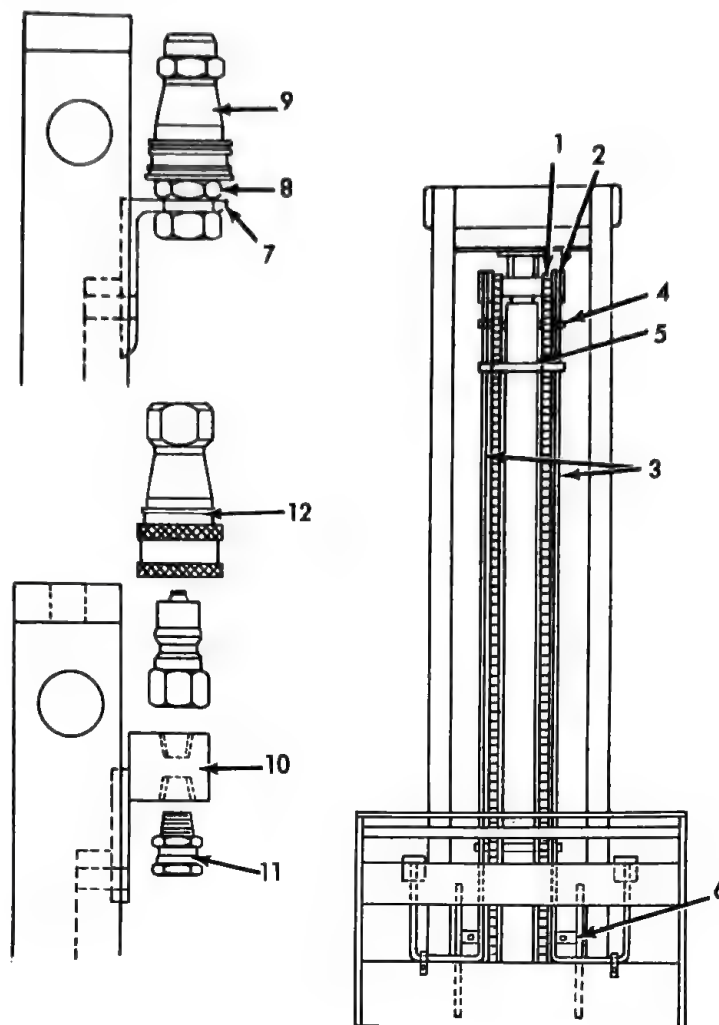
(For Hydraulic Attachments - Standard & High Free Lift Masts)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4735909	1	VALVE ASSY., control (Incl. items 10 thru 32)	
	903635	2	CAPSCREW	
	904206	2	LOCKWASHER	
	4736147	1	"O" RING (valve to tank)	
2	4735608	1	BRACKET, control lever	
	905667	2	CAPSCREW, valve and bracket	
	904206	2	LOCKWASHER	
3	4716975	1	LEVER, control, tilt (R.H.) (Red)	
4	4735602	1	LEVER, control, lift (Center) (Black)	
5	4735605	1	LEVER, control (for attachment) (Red)	
6	4736202	1	SHAFT, lever	
	911115	1	WASHER	
	900802	6	PIN, cotter	
7	4253228	6	LINK, connecting (lever)	
	917645	6	PIN, clevis	
	900802	6	PIN, cotter	

Continued

3 PLUNGER CONTROL VALVE AND LEVERS (Cont'd)  
(Code HQ)  
(For Hydraulic Attachments - Standard & High Free Lift Masts)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
8	{ 4811110 4811109	2 1	KNOB, control lever (red) KNOB, control lever (black)	
9	4981922	3	EYE, plunger	
10	4716117	3	SEAL RING, eye	
11	4981904	5	SPRING, check ball	
12	915904	5	BALL, check	
13	4981913	3	SPRING, return (plunger)	
14	4981878 4984404	7 *	WASHER, retaining WASHER, tilt plunger (* use as required)	
15	4981916	3	CAP, plunger	
16	4716117	3	SEAL RING, cap	
17	4981871	3	OIL SEAL, plunger	
18	4981915	3	CAP, housing (plunger)	
19	4984405	3	GASKET, cap	
20	4981884	1	PLUNGER, relief valve	
21	4981881	1	SEAT, plunger	
22	4716120	1	SEAL RING, seat	
23	4981912	1	SPRING, relief valve	
24	4981886	1	GUIDE, spring	
25	4981919	1	CAP, relief valve	
26	4716104	1	SEAL RING	
27	{ 4981688 4981689	1 1	SCREW, adjusting (valve) NUT, jam	
28	4981687	1	NUT, acorn	
29	4981693	1	PLUG, pipe (housing - relief valve)	
30	4981851 4981850	1 1	SETSCREW, seat (relief valve) SCREW, machine	
31	4981859	1	GASKET, screw	



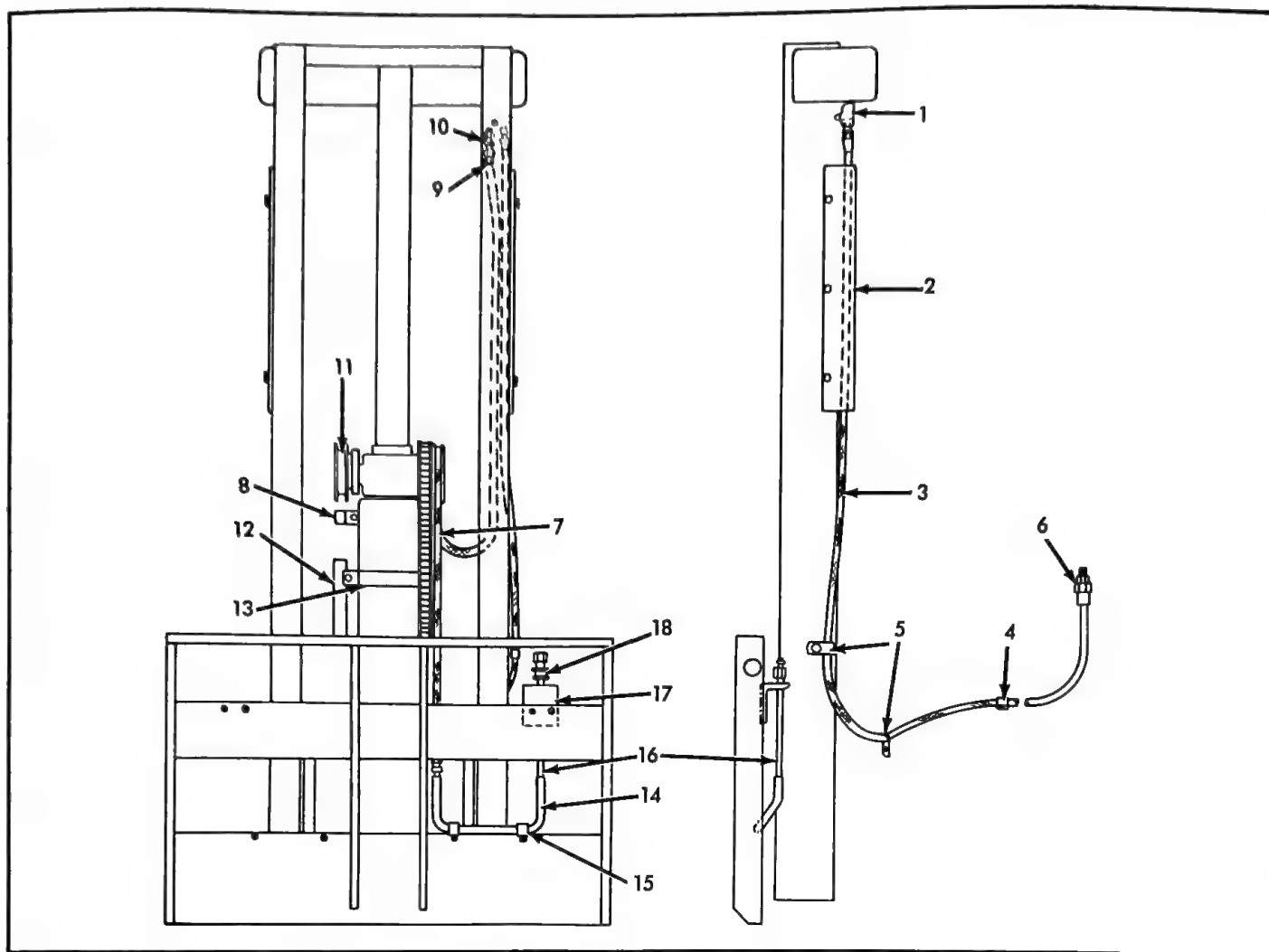
MAST HOSE GROUP (STANDARD MAST)  
(For Use w/3 Plunger Control Valve)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4740832	2	ROLLER ASSY., chain (Incl. BUSHING)	
	4736987	2	WASHER	
	4253195	2	RING, snap, retainer	
	4709500	2	BUSHING, chain roller	
	915275	2	FITTING, lube	
2	4736981	2	SHEAVE, roller (hose)	
	917462	6	CAPSCREW	
	904204	6	LOCKWASHER	
3	4739974	2	HOSE, hydraulic (121") (Valve to carriage)	
	4708603	2	ELBOW, hose (to valve)	
	4711875	4	COUPLING, hose (reusable)	
	4712776	1	CLIP (to transmission)	
4	917660	2	CLIP, hose (to cylinder)	
	905661	2	CAPSCREW	
	910335	2	WASHER	
	904205	2	LOCKWASHER	

Continued

MAST HOSE GROUP (STANDARD MAST) (Cont'd)  
(For Use w/3 Plunger Control Valve)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
5	4736985	4	STRAP	
	917660	4	CLIP, hose	
	903772	4	CAPSCREW	
	904205	4	LOCKWASHER	
	910323	4	NUT	
6	917660	4	CLIP, hose (to carriage)	
	903772	4	CAPSCREW	
	910323	2	NUT	
	910335	2	WASHER, flat	
	904205	4	LOCKWASHER	
7	4736982	2	PLATE, adaptor (coupling)	} (1st type hose coupling)
	903772	4	CAPSCREW	
	904205	4	LOCKWASHER	
8	4727486	2	PLUG, coupling (quick detachable)	} (2nd type hose couplings)
9	4727483	2	SOCKET, coupling (quick detachable)	
	4808990	2	BUSHING, reducer	
10	4741366	2	BLOCK, junction	} (2nd type hose couplings)
	903772	4	CAPSCREW	
	904205	4	LOCKWASHER	
11	4808207	2	UNION, adaptor (hose)	
12	4737565	2	COUPLING UNIT (quick detachable)	} (2nd type hose couplings)
	901478	2	NIPPLE	
	901652	*	PLUG, pipe (* use as required)	



MAST HOSE GROUP (HIGH FREE LIFT MAST)  
(For 3 Plunger Valve)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4711879	2	BLOCK, junction (hose)	
	4304690	2	STUD	
	910324	2	NUT	
	904206	2	LOCKWASHER	
	901652	2	PLUG, pipe	
2	4715393	2	GUIDE, hose (outer) (For 88" lift)	
	4715394	2	GUIDE, hose (outer) (For 100" lift)	
	4715395	2	GUIDE, hose (outer) (For 106" lift)	
	4715396	2	GUIDE, hose (outer) (114" and 116" lifts)	
	4715397	2	GUIDE, hose (outer) (120" lift)	
	905655	6	CAPSCREW	
	904204	6	LOCKWASHER	
	4715398	2	GUIDE, hose (outer) (for 130" lift)	
	4715399	2	GUIDE, hose (outer) (For 136" lift)	
	4738216	2	GUIDE, hose (outer) (for 144" lift)	
	905655	8	CAPSCREW	
	904204	8	LOCKWASHER	
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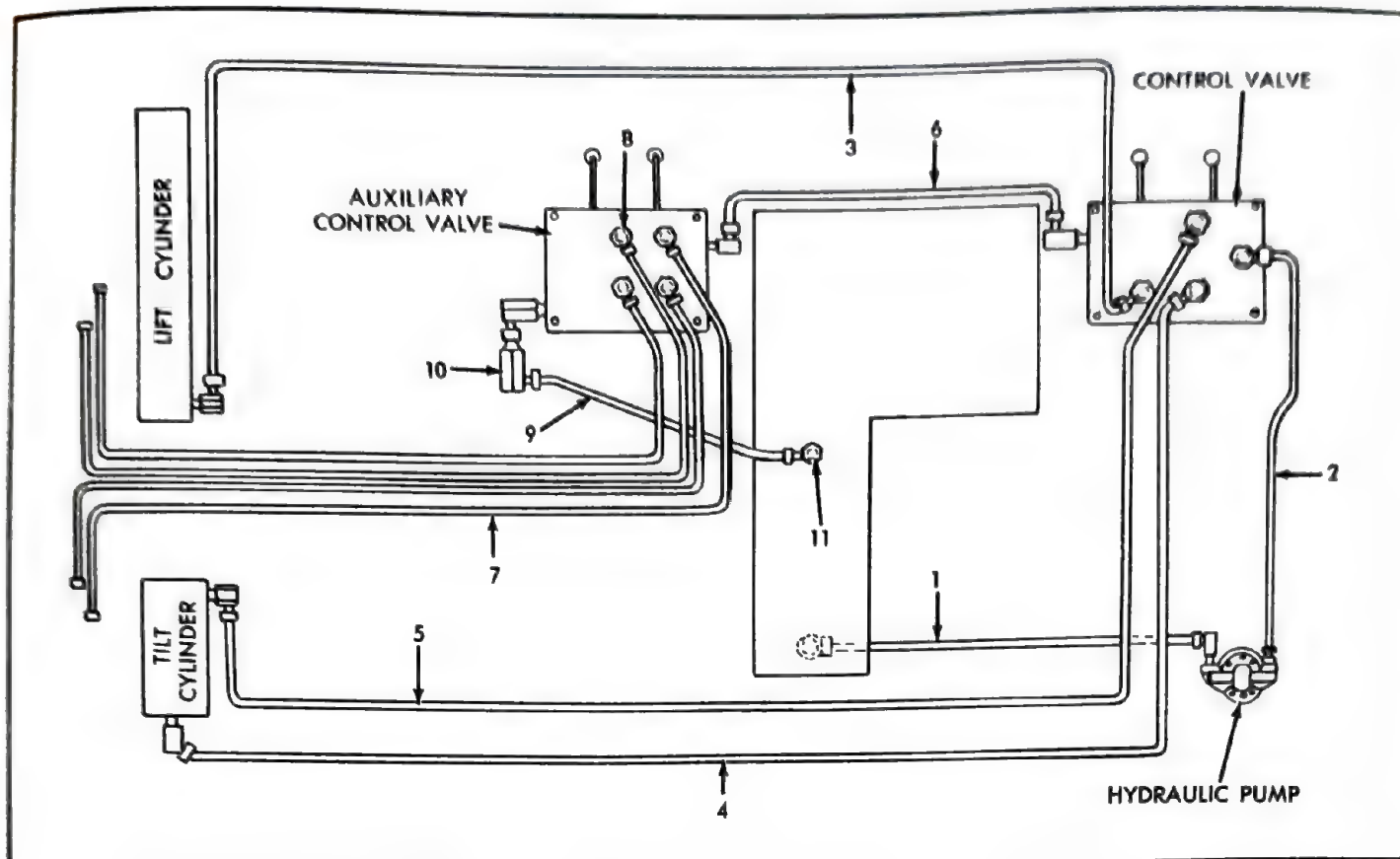
MAST HOSE GROUP (HIGH FREE LIFT MAST) (Cont'd)  
(For 3 Plunger Valve)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
3	4708631	2	HOSE, 91" (to valve) (for 88" lift)	
	4708632	2	HOSE, 97" (to valve) (for 100" lift)	
	4708633	2	HOSE, 100" (to valve) (for 106" lift)	
	4708639	2	HOSE, 104" (to valve) (for 114" lift)	
	4708634	2	HOSE, 105" (to valve) (for 116" lift)	
	4708635	2	HOSE, 107" (to valve) (for 120" lift)	
	4708636	2	HOSE, 112" (to valve) (for 130" lift)	
	4708637	2	HOSE, 116" (to valve) (for 136" lift)	
	4738221	2	HOSE, 120" (to valve) (for 144" lift)	
	4708603	2	ELBOW, hose (to valve)	
4	4735705	1	CLAMP, hose	
5	4253085	4	CLAMP, hose	
	905655	4	CAPSCREW	
	904204	4	LOCKWASHER	
6	4708624	4	COUPLING, hose (reusable)	
7	4708626	2	HOSE, 59-1/2" (to carriage) (for 88" lift)	
	4708627	2	HOSE, 68-1/2" (to carriage) (for 100" lift)	
	4708628	2	HOSE, 73" (to carriage) (for 106" lift)	
	4708638	2	HOSE, 79" (to carriage) (for 114" lift)	
	4708629	2	HOSE, 80-1/2" (to carriage) (for 116" lift)	
	4708630	2	HOSE, 83-1/2" (to carriage) (for 120" lift)	
	4708631	2	HOSE, 91" (to carriage) (for 130" lift)	
	4708632	2	HOSE, 97" (to carriage) (for 136" lift)	
	4738219	2	HOSE, 103" (to carriage) (for 144" lift)	
8	4251849	2	CLAMP, hose	
	905660	2	CAPSCREW	
	904205	2	LOCKWASHER	
9	4708624	4	COUPLING, hose (reusable)	
10	4808207	2	UNION, adaptor	
	4708706	2	COUPLING	
11	4715355	2	ROLLER SHEAVE ASSY. (Incl. BUSHING)	
	4736987	2	WASHER	
	4253195	2	RING, snap, retainer	
	917192	2	FITTING, lube	
	4709500	2	BUSHING, roller	

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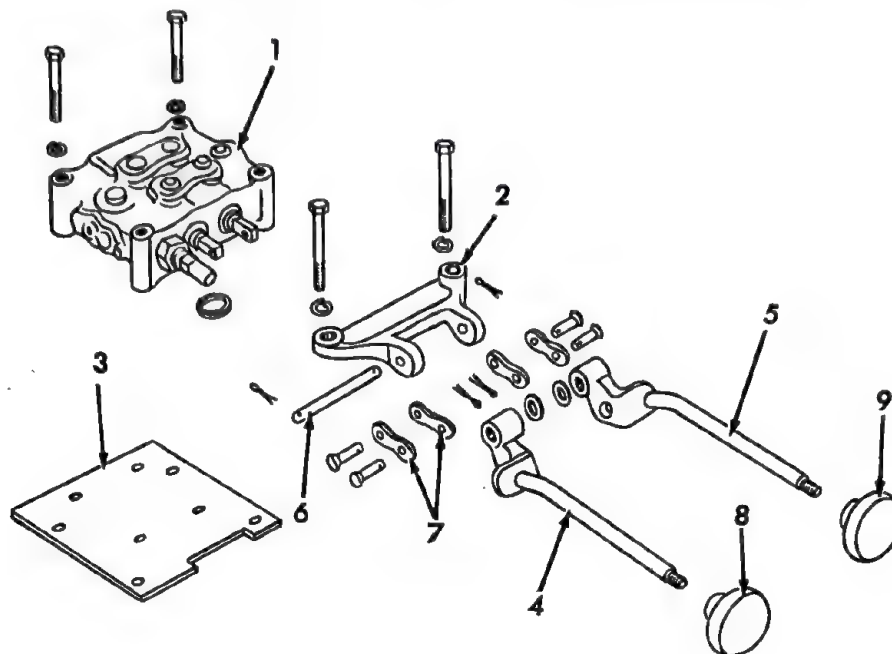
MAST HOSE GROUP (HIGH FREE LIFT MAST) (Cont'd)  
(For 3 Plunger Valve)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
12	4715427	1	GUIDE ASSY., hose (inner) (for 88" lift)	
	4715429	1	GUIDE ASSY., hose (inner) (for 100" lift)	
	4715431	1	GUIDE ASSY., hose (inner) (for 106" lift)	
	4715433	1	GUIDE ASSY., hose (inner) (for 114" and 116" lifts)	
	4715435	1	GUIDE ASSY., hose (Inner) (for 120" lift)	
	4715437	1	GUIDE ASSY., hose (Inner) (for 130" lift)	
	4715439	1	GUIDE ASSY., hose (inner) (for 136" lift)	
	4738217	1	GUIDE ASSY., hose (inner) (for 144" lift)	
13	4715423	2	STRAP, guide retaining	
	903772	4	CAPSCREW	
	910323	4	NUT	
	904205	4	LOCKWASHER	
14	4715368	2	TUBE, hydraulic	
15	4253085	4	CLAMP, tube	
	903772	4	CAPSCREW, clamp	
	904205	4	LOCKWASHER	
16	917732	2	NIPPLE, pipe	
17	4715450	2	SUPPORT, pipe	
	903772	4	CAPSCREW	
	904205	4	LOCKWASHER	
18	4737565	2	COUPLING, unit, hose (quick detachable)	
	901652	2	PLUG, pipe	



VALVE HOSES AND FITTINGS  
(4 Plunger Control Valve Application)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4708519	1	HOSE, suction (tank to pump)	
	4806563	2	ELBOW, hose	
2	4708511	1	HOSE, high pressure (pump to valve)	
	4252197	1	COUPLING, hose (to pump)	
	4727512	1	BUSHING, reducer	
	4806406	1	ELBOW, hose (to valve)	
3	4708514	1	HOSE, lift cylinder (48-3/4")	
	4806406	1	ELBOW, hose (to valve)	
	4252647	2	ELBOW, hose (to cylinder)	
4	4708512	1	HOSE, tilt cylinder (forward)	
	4708599	1	ELBOW, hose (to valve)	
	4252647	1	ELBOW, hose (to cylinder)	
5	4708513	1	HOSE, tilt cylinder (back)	
	4806406	2	ELBOW, hose	
6	4808011	1	HOSE, (to auxiliary valve)	
	4806406	2	ELBOW, hose	
7	4741079	4	HOSE, auxiliary valve to junction block	
8	4708603	4	ELBOW, hose (to auxiliary valve)	
	4811115	4	ELBOW (to junction block)	
9	4735664	1	HOSE, return (to tank)	
10	4708597	1	ELBOW, hose	
11	4708596	2	ELBOW, hose	



### CONTROL VALVE AND LEVERS

(For 4 Plunger Valve Application)

\* Rear Valve w/High Pressure Carry-Over, No. HYS-3500-9

\*\* Front Mounted Auxiliary Valve, No. HYS-3500-10

\*\*\* For 2 Plunger Application

ITEM	PART NUMBER	QTY.			DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**	***		
1	4720738	1	-	-	VALVE ASSY., control (See page 160 for components)	
	4736147	1	-	-	"O" RING (to tank)	
	4720739	-	1	-	VALVE ASSY., control (See page 160 for components)	
	4980000	-	1	-	"O" RING	
	4735293	-	-	1	VALVE ASSY., control (See page 114 for components)	
	4736147	1	-	1	"O" RING (to tank)	
	903635	2	2	1	CAPSCREW	
	904206	2	2	-	LOCKWASHER	
2	4734969	1	1	1	BRACKET, control lever	
	905667	2	2	1	CAPSCREW, bracket and valve	
	904206	2	2	1	LOCKWASHER	
3	4723079	-	1	-	PLATE, valve mounting	
	903631	-	4	-	CAPSCREW	
4	4735601	1	-	1	LEVER, valve, R.H. (tilt)	
	4723055	-	1	-	LEVER, valve, R.H. (Rotator attachment)	
5	4735602	1	-	1	LEVER, valve, L.H. (lift)	
	4723057	-	1	-	LEVER, valve, L.H. (clamp attachment)	
	911115	1	1	-	WASHER, flat	

Continued

# CONTROL VALVE AND LEVERS (Cont'd)

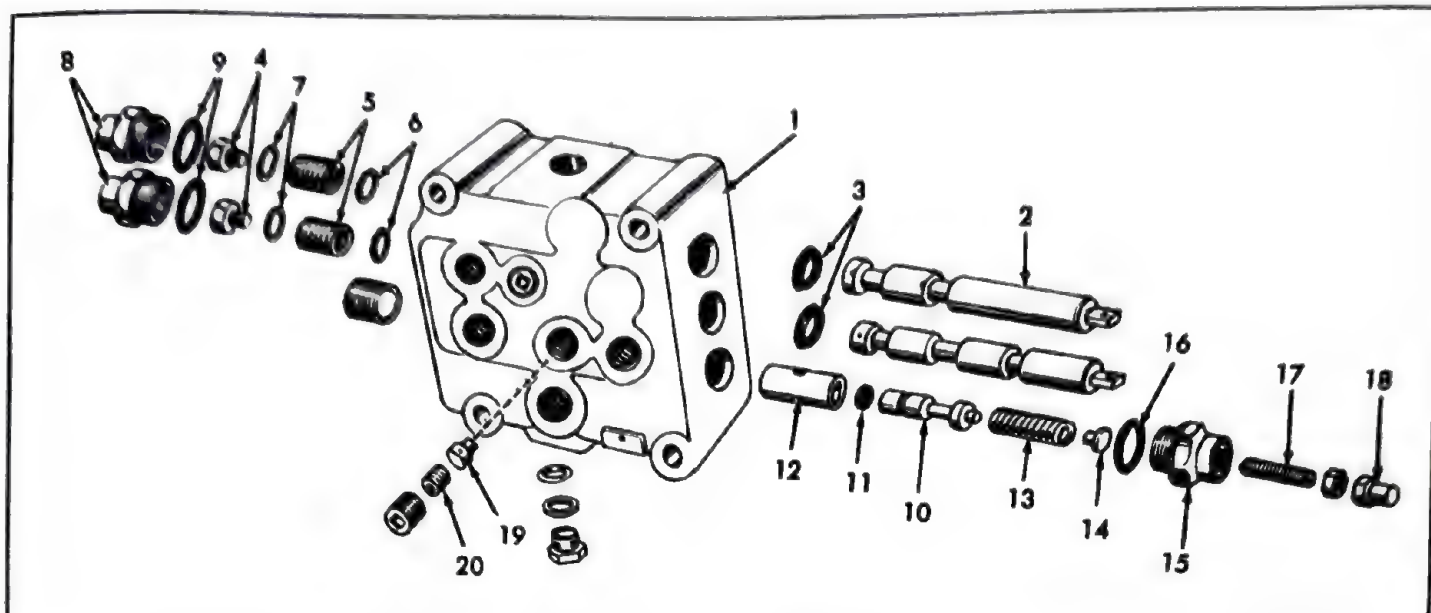
(For 4 Plunger Valve Application)

\* Rear Valve w/High Pressure Carry-Over, No. HYS-3500-9

\*\* Front Mounted Auxiliary Valve, No. HYS-3500-10

\*\*\* For 2 Plunger Application

ITEM	PART NUMBER	*	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
			**	***		
6	4734911	1	1	1	SHAFT, lever	
	900802	2	2	-	PIN, cotter	
	911115	-	-	2	WASHER	
	900802	-	-	2	PIN, cotter	
7	4253228	4	4	4	LINK, lever connecting (to valve)	
	917645	4	4	4	PIN, clevis	
	900802	4	4	4	PIN, cotter	
8	4811110	1	-	1	KNOB, tilt lever (red)	
	4811109	-	1	1	KNOB, lever (rotator attachment) (black)	
9	4811109	1	-	-	KNOB, lift lever (black)	
	4811109	-	1	-	KNOB, lever (clamp attachment) (black)	



**CONTROL VALVE ASSEMBLY**  
(For 4 Plunger Valve Application)

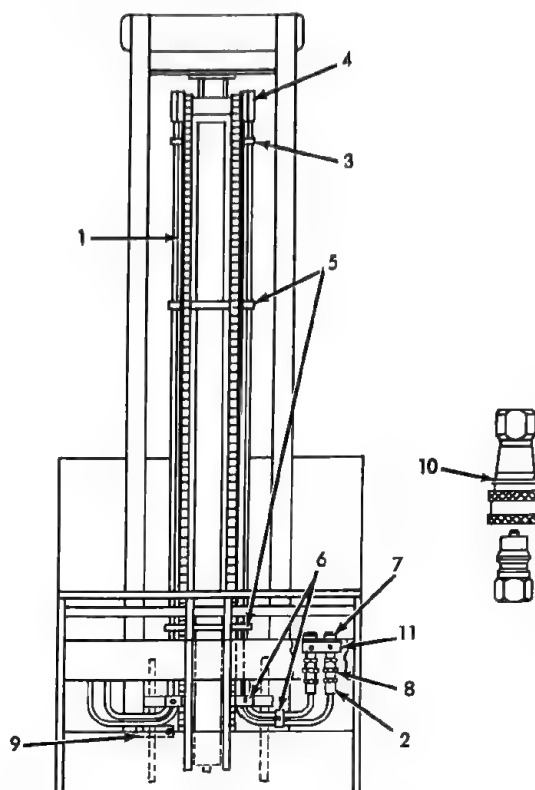
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4720738	1	VALVE ASSY., 2 plunger (HYS-3500-9) (Incl. items 2 thru 28)	
-	4720739	1	VALVE ASSY., 2 plunger (HYS-3500-10) (Incl. items 2 thru 25)	
1	-----	1	HOUSING, valve	
2	{ ----- -----	{ 1 1	{ PLUNGER, tilt PLUNGER, tilt	(Not serviced separately)
3	4984387	2	SEAL, plunger wiper	
4	4984388	2	CAPSCREW, plunger	
5	4984390	2	SPRING, plunger (return)	
6	4984389	2	WASHER, plunger spring stop	
7	4984391	2	RETAINER, plunger spring	
8	4984392	2	PLUG, plunger	
9	4984393	2	GASKET, plunger plug	
10	4984394	1	POPPET, relief valve	
11	4984399	1	SEAL, relief valve	
12	4984395	1	SLEEVE, relief valve	
13	4981715	1	SPRING, relief valve	
14	4984397	1	CAP, relief valve spring	
15	4984398	1	PLUG, relief valve	

Continued

CONTROL VALVE ASSEMBLY (Cont'd)  
(For 4 Plunger Valve Application)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
16	4984393	1	GASKET, relief valve plug	
17	4984400	1	SCREW, relief valve adjusting 1 910123 NUT, adjusting screw	
18	4984401	1	NUT, adjusting screw castle	
19	4984402	2	POPPET, check valve	
20	4984403	2	SPRING, check valve 2 904260 PLUG, check valve pipe 1 917686 PLUG, pipe	
-	4991183	1	PLUG, high pressure (HYS-3500-9) (Not Illustrated)	
-	4991184	1	GASKET (HYS-3500-9) (Not Illustrated)	
-	4716098	1	O-RING (HYS-3500-9) (Not Illustrated)	





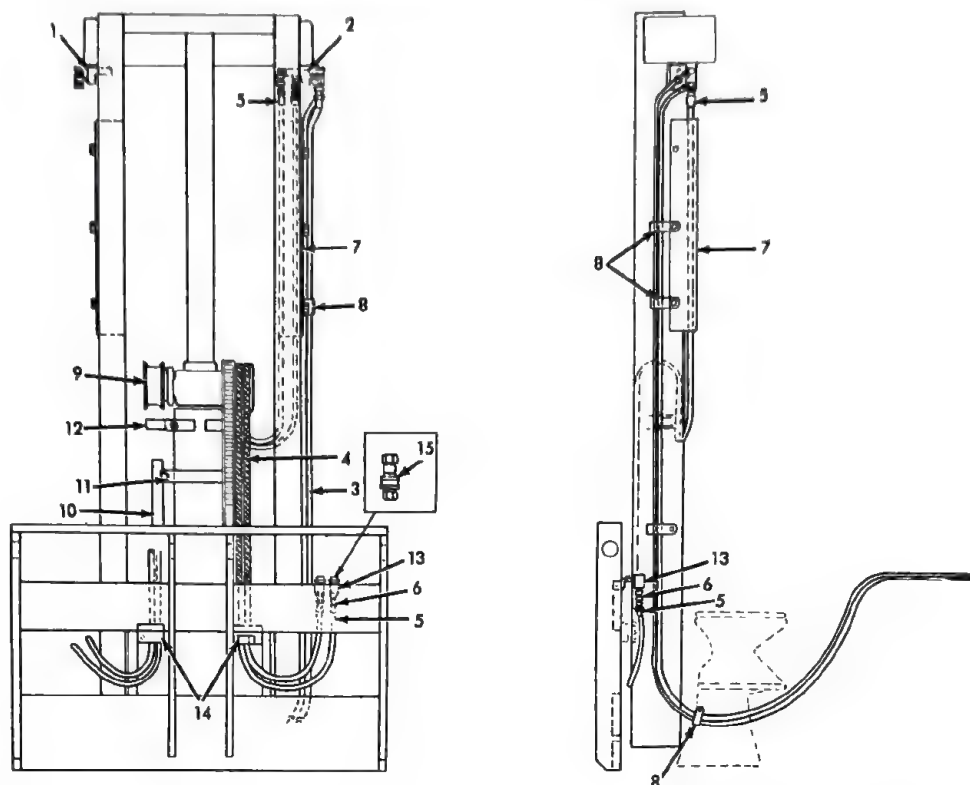
MAST HOSE GROUP (STANDARD MAST)  
(For Use w/4 Plunger Valve Application)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4741079	4	HOSE, hydraulic(18 ft. 5 in. long)	
	4708603	4	ELBOW, hose (to valve)	
2	4708624	8	COUPLING, reusable	
3	4741742	2	CLAMP, hose	
	905660	2	CAPSCREW	
	904205	2	LOCKWASHER	
4	4741082	2	ROLLER AND SHEAVE ASSY., (Incl. BUSHING)	
	4709500	2	BUSHING, roller	
	4736987	2	WASHER	
	4253195	2	RING, snap, retaining	
	915275	2	FITTING, lube	
5	4736985	4	STRAP	
	4253085	4	CLAMP, hose	
	903772	4	CAPSCREW	
	910323	4	NUT	
	904205	4	LOCKWASHER	
6	4253085	4	CLAMP, hose (to carriage)	
	903626	4	CAPSCREW	
	904205	4	LOCKWASHER	
7	4719022	4	BRACKET ASSY.	
	903626	4	CAPSCREW	
	904205	4	LOCKWASHER	
8	4808207	4	UNION, adaptor (hose)	

Continued

MAST HOSE GROUP (STANDARD MAST) (Cont'd)  
(For Use w/4 Plunger Valve Application)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
9	4712776	3	CLAMP, hose (drive axle and transmission)	
	903772	1	CAPSCREW	
	910323	1	NUT	
	904205	1	LOCKWASHER	
10	4737565	4	COUPLING, hose (quick detachable)	
	901478	4	NIPPLE	
11	4740140	2	BRACKET, mounting (coupling) (Removeable) (1st type only)	
	903626	4	CAPSCREW	
	904205	4	LOCKWASHER	



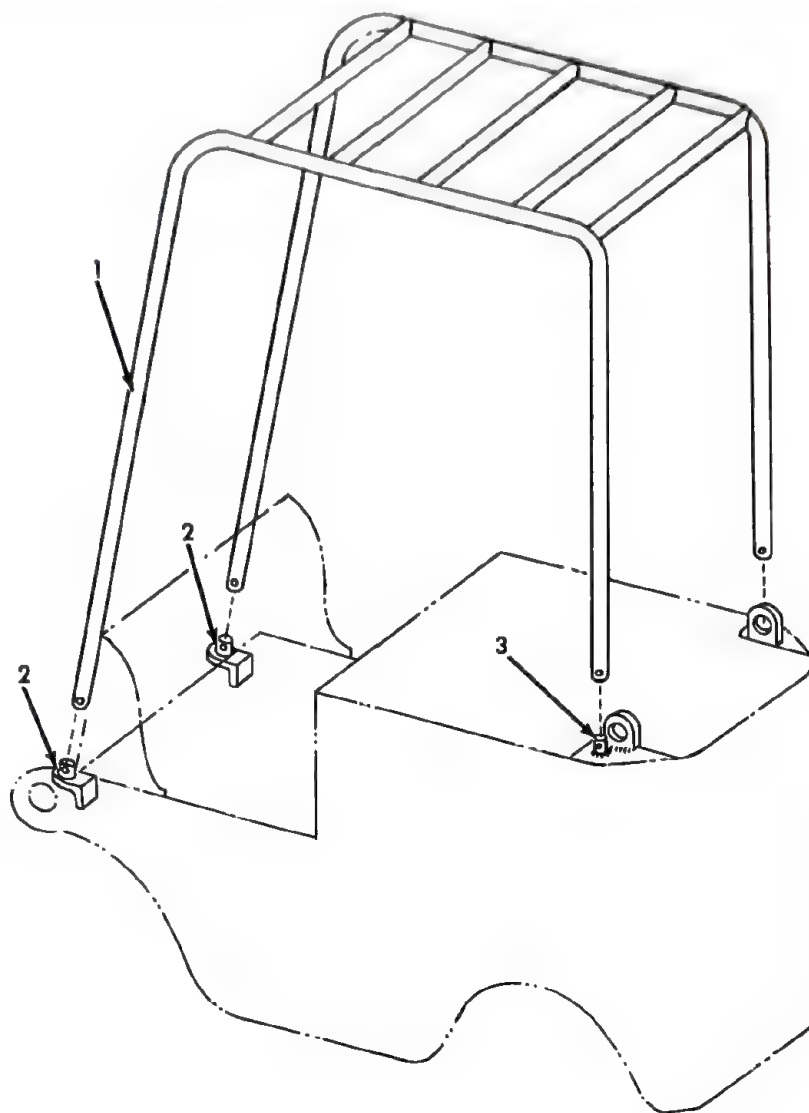
MAST HOSE GROUP (HIGH FREE LIFT MAST)  
(For 4 Plunger Valve Application)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4715132	1	BLOCK, junction (R.H.)	
	905660	2	CAPSCREW	
	904205	2	LOCKWASHER	
	4722667	1	SPACER, junction block	
2	4715129	1	BLOCK, junction (L.H.)	
	905660	2	CAPSCREW	
	904205	2	LOCKWASHER	
	4722667	1	SPACER, junction block	
3	4741079	4	HOSE, hydraulic (valve to junction block)	
4	4712125	4	HOSE, hydraulic (to carriage - 288")	
	4811115	4	ELBOW, (to junction block)	
5	4708624	8	COUPLING, hose (reusable)	
6	4808207	4	UNION, adaptor (hose)	
7	4715394	2	GUIDE, hose (outer) (100" lift)	
	4715395	2	GUIDE, hose (outer) (106" lift)	
	4715398	2	GUIDE, hose (outer) (130" lift)	
	905655	4	CAPSCREW	
	904204	4	LOCKWASHER	
8	4714909	8	CLAMP, hose	
	905660	8	CAPSCREW	
	904205	8	LOCKWASHER	

Continued

MAST HOSE GROUP (HIGH FREE LIFT MAST) (Cont'd)  
(For 4 Plunger Valve Application)

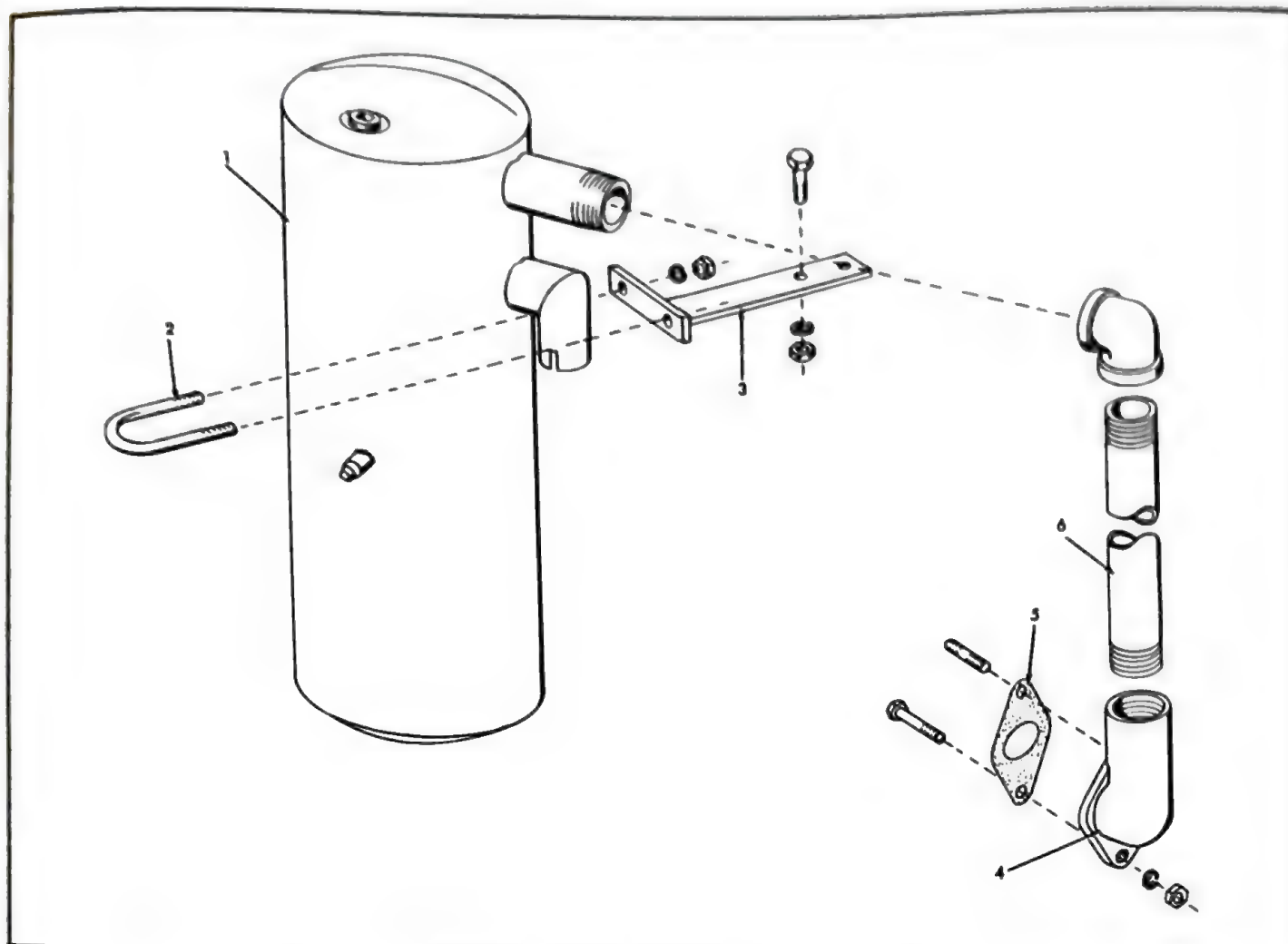
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
9	4722592	2	ROLLER AND SHEAVE ASSY (Incl. BUSHING)	
	4709500	2	BUSHING, roller	
	4736987	2	WASHER	
	4253195	2	RING, snap, retainer	
	917192	2	FITTING, lube	
10	4722913	1	GUIDE, hose (inner) (100" lift)	
	4722915	2	GUIDE, hose (inner) (106" lift)	
	4722921	1	GUIDE, hose (inner) (130" lift)	
11	4715423	2	STRAP, guide	
	903772	4	CAPSCREW	
	910323	4	NUT	
	904205	4	LOCKWASHER	
12	4714909	1	CLAMP, hose	
	905660	1	CAPSCREW	
	904205	1	LOCKWASHER	
13	4719022	4	BRACKET, hose	
	903772	4	CAPSCREW	
	910323	4	NUT	
	904205	4	LOCKWASHER	
14	4714909	2	CLAMP, hose	
	903772	2	CAPSCREW	
	910323	2	NUT	
	904205	2	LOCKWASHER	
15	4737576	4	COUPLING, hose (quick detachable)	
	901478	4	NIPPLE	



OVERHEAD SAFETY GUARD  
(With Brackets)

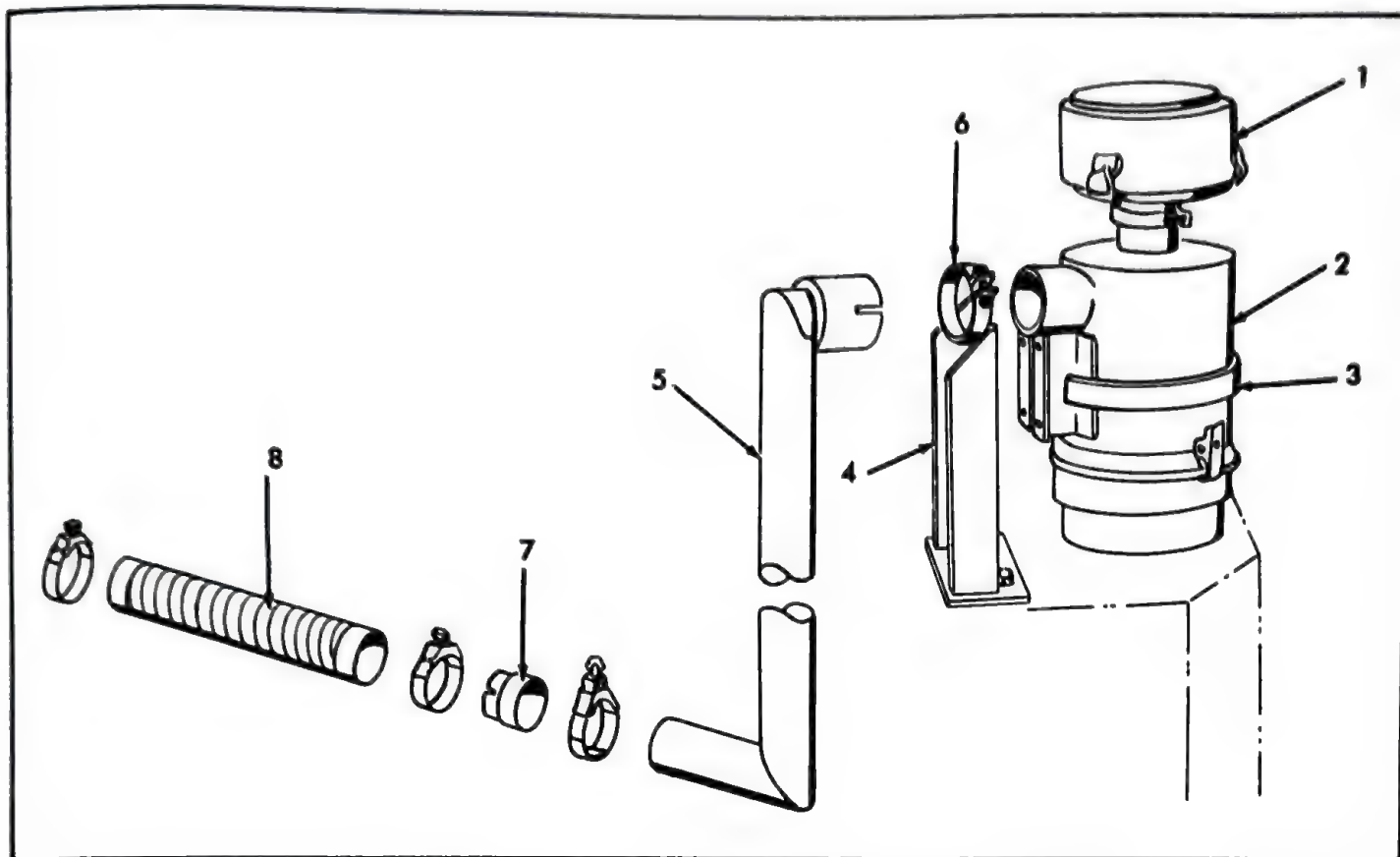
\* FB & FBL Models  
\*\* FPB & FPBL Models

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
1	4735842	1	1	GUARD, overhead	
	903634	4	4	CAPSCREW	
	910324	4	4	NUT	
	904206	4	4	LOCKWASHER	
2	4736600	2	2	PIN, mounting (front)	
3	4704680	1	-	ANCHOR, rear (R.H.)	
	4704686	-	1	ANCHOR, rear (R.H.)	
	4704681	1	-	ANCHOR, rear (L.H.)	
	4704687	-	1	ANCHOR, rear (L.H.)	



### WATER MUFFLER

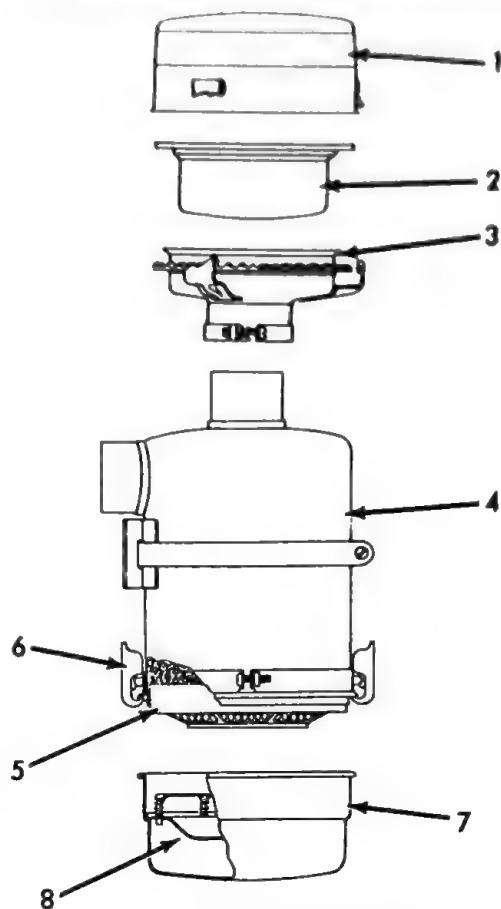
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4736186	1	MUFFLER, water	
2	4736201	1	U-BOLT (to bracket)	
	910233	2	NUT	
	904205	2	LOCKWASHER	
3	4736189	1	BRACKET, muffler	
	914398	2	CAPSCREW	
	910123	2	NUT	
	904206	2	LOCKWASHER	
4	4736200	1	ELBOW, exhaust (to manifold)	
	4363535	1	STUD	
	912185	1	CAPSCREW	
	917252	2	NUT	
	904206	2	LOCKWASHER	
5	4736604	1	GASKET, elbow (exhaust)	
6	4253386	1	NIPPLE, exhaust	
	901682	1	ELBOW (to muffler)	



**AIR CLEANER AND PRE-CLEANER  
(Vortex)**

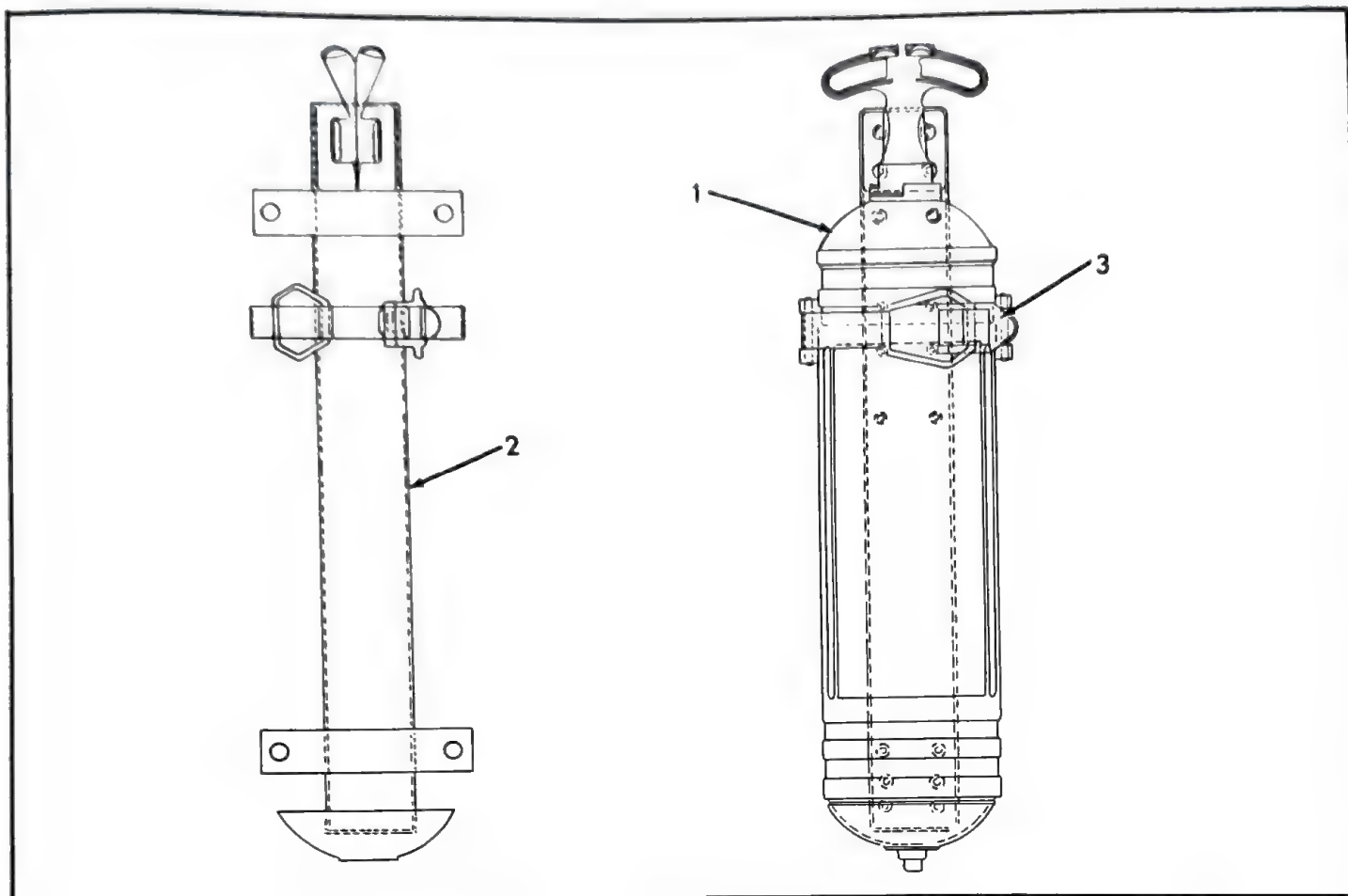
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4714148	1	PRE-CLEANER (Refer to page 169 for components and attaching parts)	
2	4718144	1	AIR CLEANER (Refer to page 169 for components and attaching parts)	
3	4718145	1	BRACKET, saddle (air cleaner)	
	905663	4	CAPSCREWS	
	904205	4	LOCKWASHER	
4	4718149	1	BRACKET, mounting	
	903629	3	CAPSCREW	
	915815	*	WASHER, spacer (* Use as required)	
	910324	3	NUT	
	904206	3	LOCKWASHER	
5	4705976	1	TUBE, air	
6	4722025	1	CLAMP (tube to air cleaner)	
7	4705957	1	ADAPTER, hose	
	910225	1	CLAMP (to air tube)	
8	4707825	1	HOSE, air (to carburetor)	
	4253576	2	CLAMP, hose	





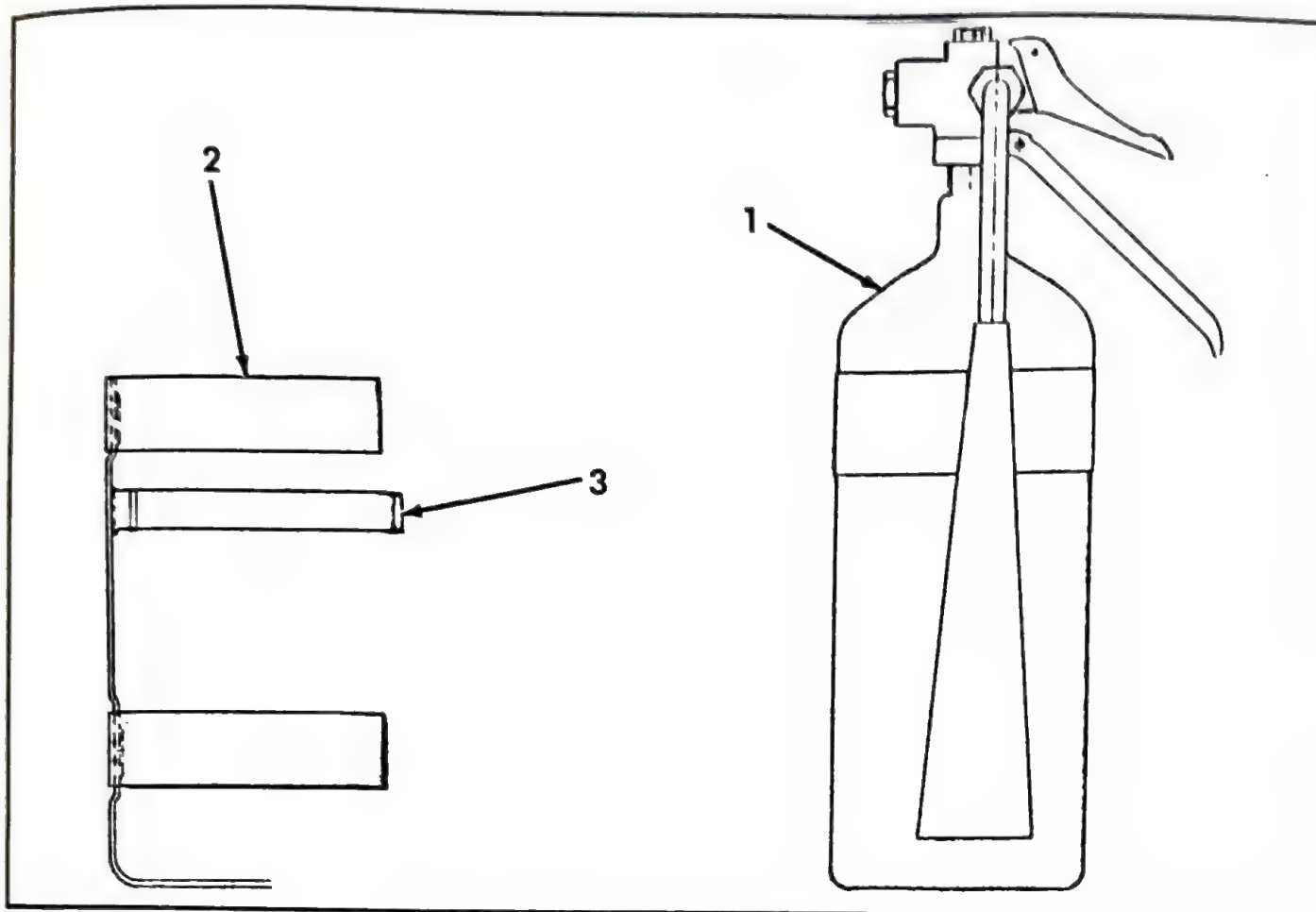
AIR CLEANER & PRECLEANER COMPONENTS  
(Models FB-FPB)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4985277	1	HEAD, precleaner	
2	4985278	1	CUP, precleaner	
3	4985279	1	BODY, precleaner	
4	4985280	1	BODY ASSY., air cleaner (Incl. items 5 & 6)	
5	4985281	1	PREFILTER	
6	4985282	1	BAND ASSY., latch	
7	4985283	1	CUP ASSY., (Incl. item 8)	
8	4985284	1	DISC, cup	



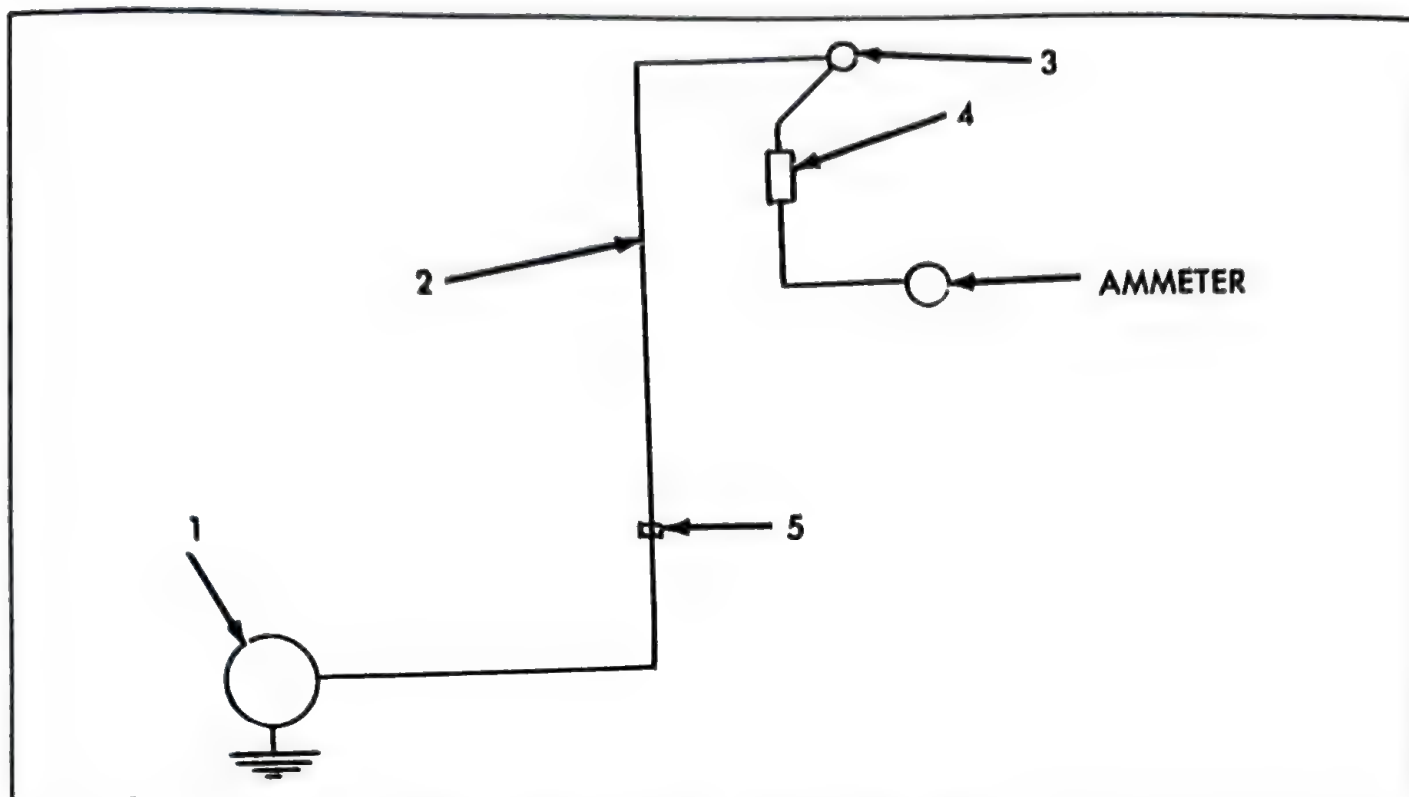
### PYRENE FIRE EXTINGUISHER

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4401068	1	EXTINGUISHER (1-qt.)	
2	4709617	1	BRACKET, mounting	
	914330	4	CAPSCREW	
	910377	4	NUT	
3	4709211	2	CLAMP, extinguisher	



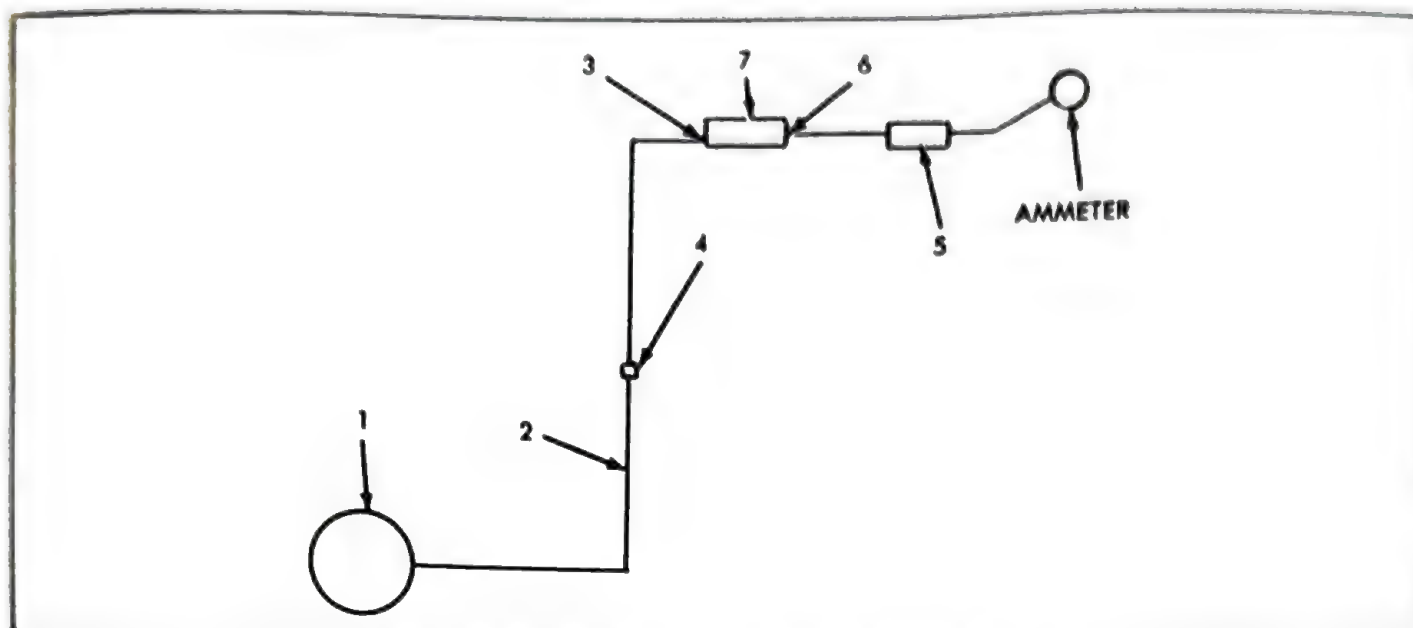
# CO<sub>2</sub> FIRE EXTINGUISHER

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4736227	1	EXTINGUISHER	
2	4718793	1	BRACKET	
	914805	2	CAPSCREW	
	914205	2	LOCKWASHER	
	910323	2	NUT	
3	4736645	1	STRAP, quick-release	



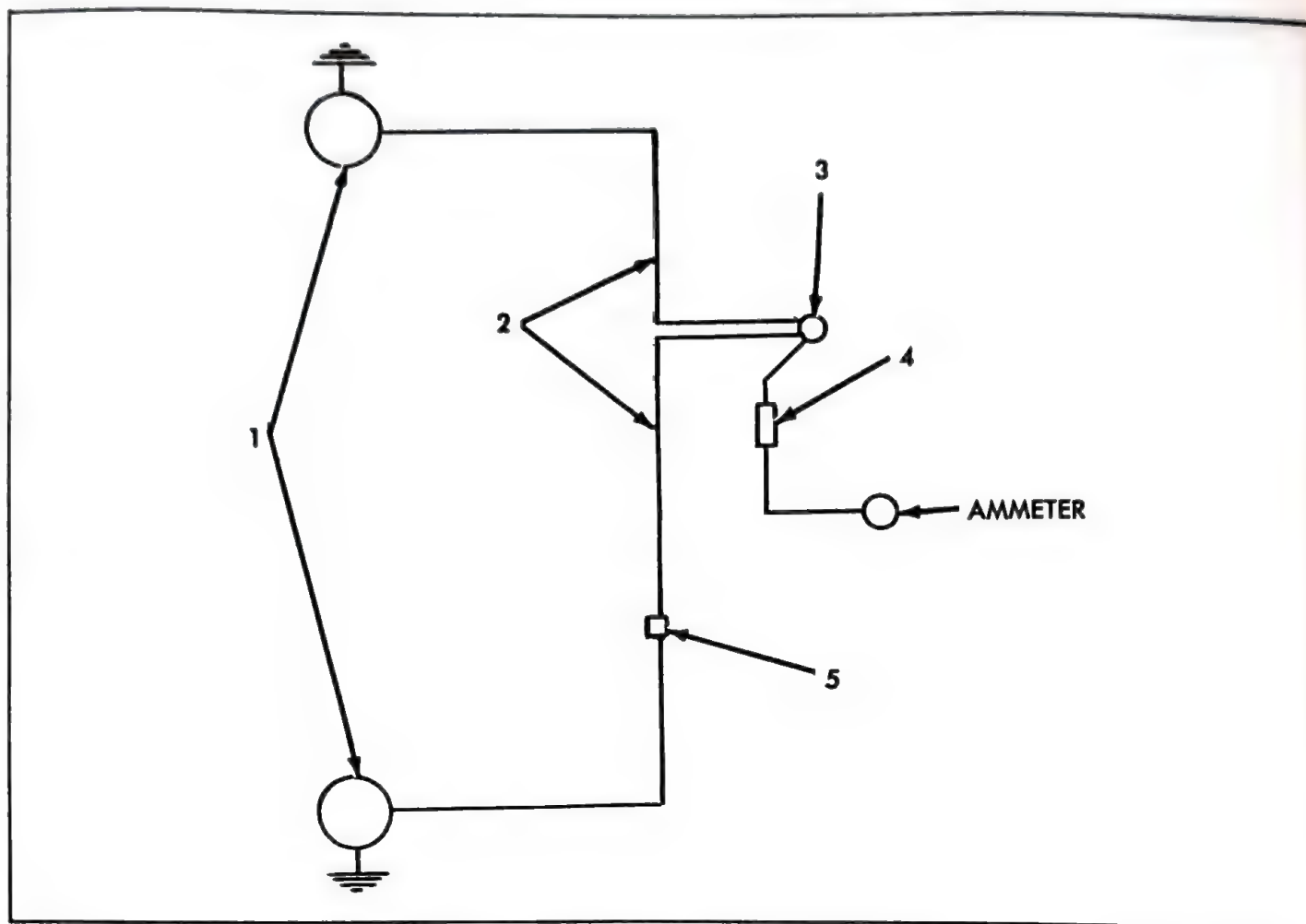
SINGLE HEADLIGHT - MAST MOUNTED  
(Non-Adjustable)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4724874	1	HEADLAMP (See page 179 for components)	
	4714091	1	BRACKET, mast mounting	
	4200030	1	TERMINAL	
2	4726690	1	WIRE	
	4726691	1	LOOM	
3	4724733	1	SWITCH, panel mounted	
	4727352	1	PLATE, mounting	
4	4726324	1	FUSE, 30-amp	
	4724728	1	HOLDER	
5	4250885	2	CLAMP, wire	
	910193	2	CAPSCREW	
	904205	2	LOCKWASHER	



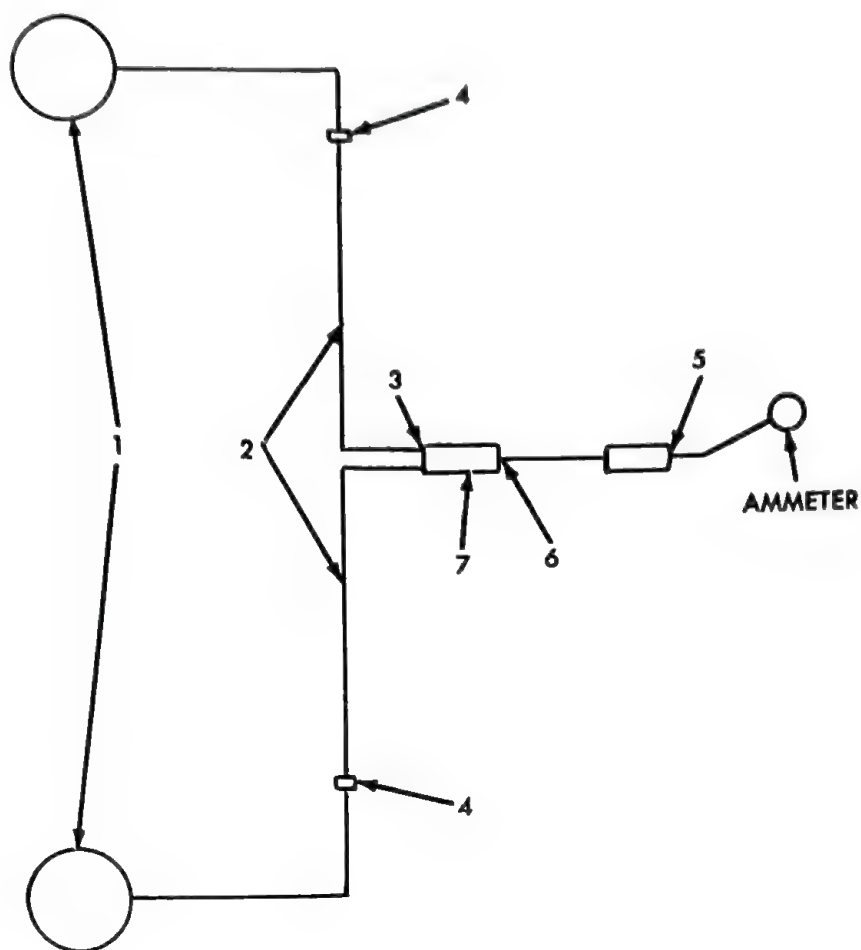
SINGLE HEADLIGHT - MAST MOUNTED  
(Adjustable)

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4700734	1	HEADLIGHT, adjustable	
	4703737	1	BRACKET, mounting	
2	4704825	1	WIRE, headlight	
	4715035	1	LOOM, wire	
3	4724667	1	TERMINAL, wire (To headlight)	
4	4250885	2	CLAMP, wire	
	910193	2	CAPSCREW	
	904205	2	LOCKWASHER	
5	4726324	1	FUSE, 30-amp	
	4736979	1	HOLDER, fuse	
6	4724667	1	TERMINAL	
7	4736044	1	CONNECTOR (2-wire)	



DUAL HEADLIGHTS - MAST MOUNTED  
(Non-Adjustable)

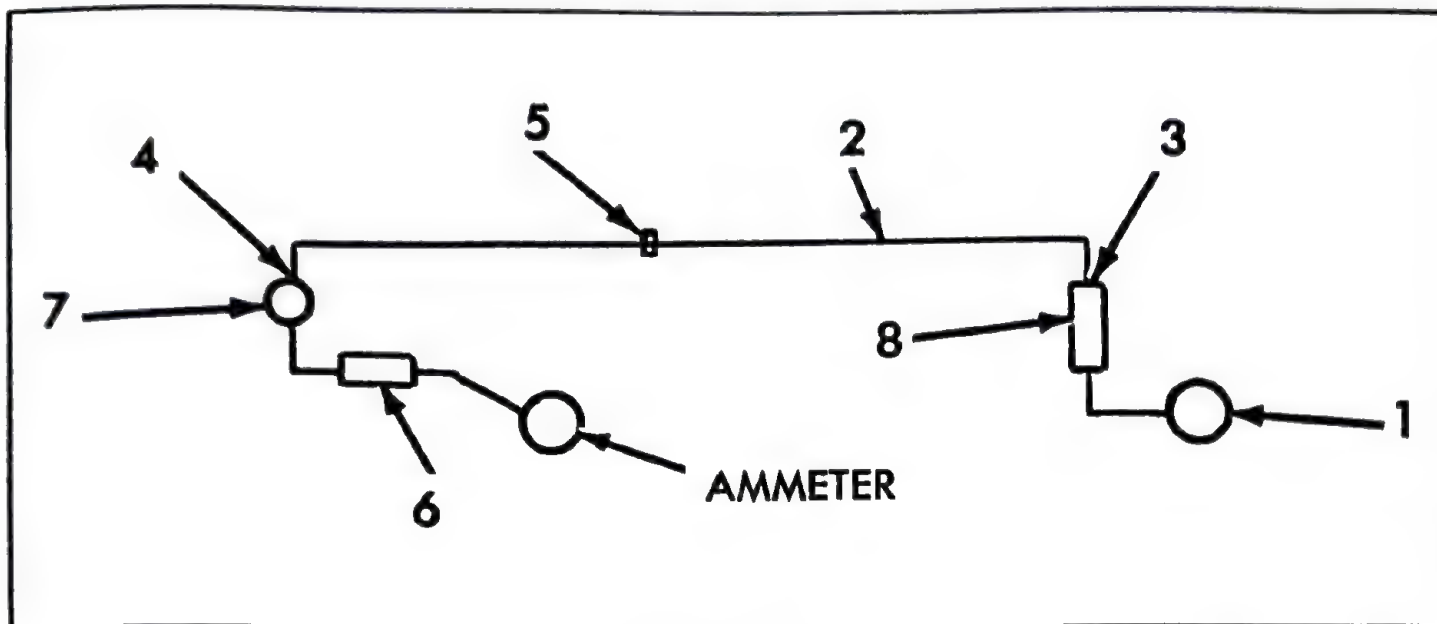
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4724874	2	LAMP ASSY., (See page 179 for components)	
	4714091	2	BRACKET	
2	4726690	2	WIRE, light	
	4200030	4	TERMINAL	
	4726691	2	LOOM	
3	4724733	1	SWITCH, panel	
	4727352	1	PLATE, mounting	
4	4726324	1	FUSE, 30-amp	
	4724728	1	HOLDER	
5	4250885	4	CLAMP, wire	
	910193	4	CAPSCREW	
	904205	4	LOCKWASHER	



DUAL HEADLIGHTS - MAST MOUNTED  
(Adjustable)

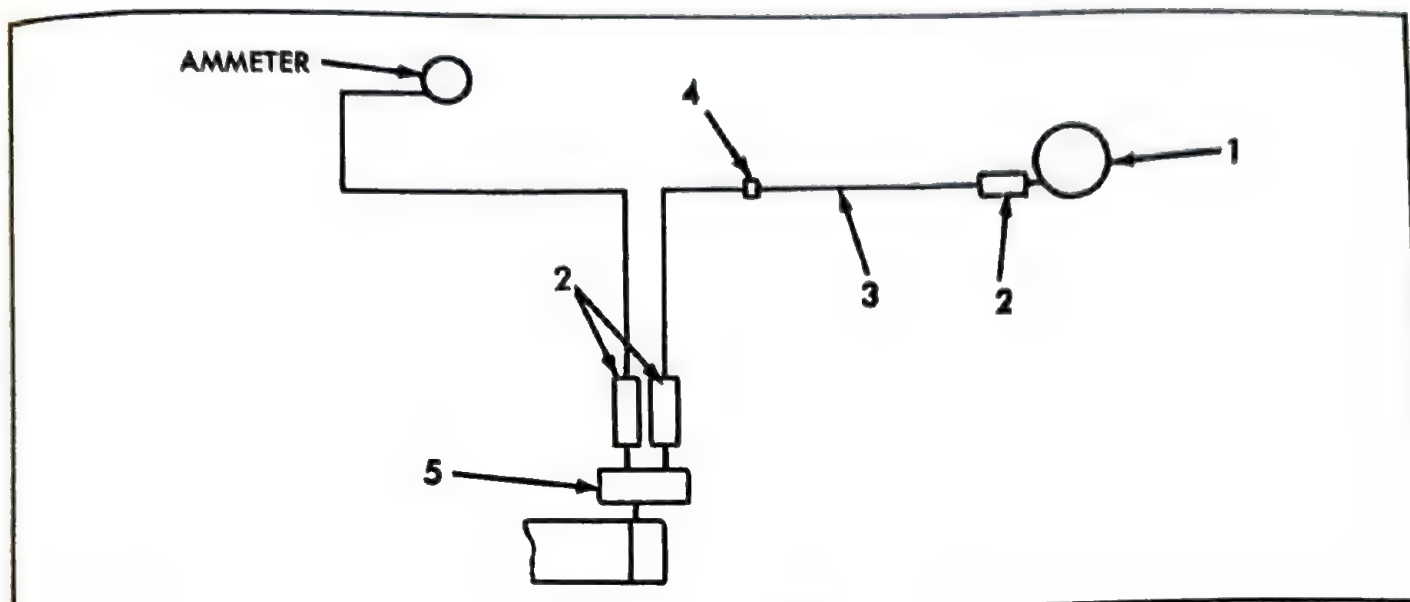
ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4700734	2	HEADLIGHT	
	4703737	2	BRACKET, mounting	
2	4704825	2	WIRE, headlight	
	4715035	2	LOOM	
3	4724667	2	TERMINAL, wire	
4	4250885	4	CLAMP, wire	
	910193	4	CAPSCREW	
	904205	4	LOCKWASHER	
5	4726324	1	FUSE, 30amp.	
	4736979	1	HOLDER, fuse	
6	4724667	1	TERMINAL, fuse holder	
7	4724666	1	CONNECTOR (3-wire)	





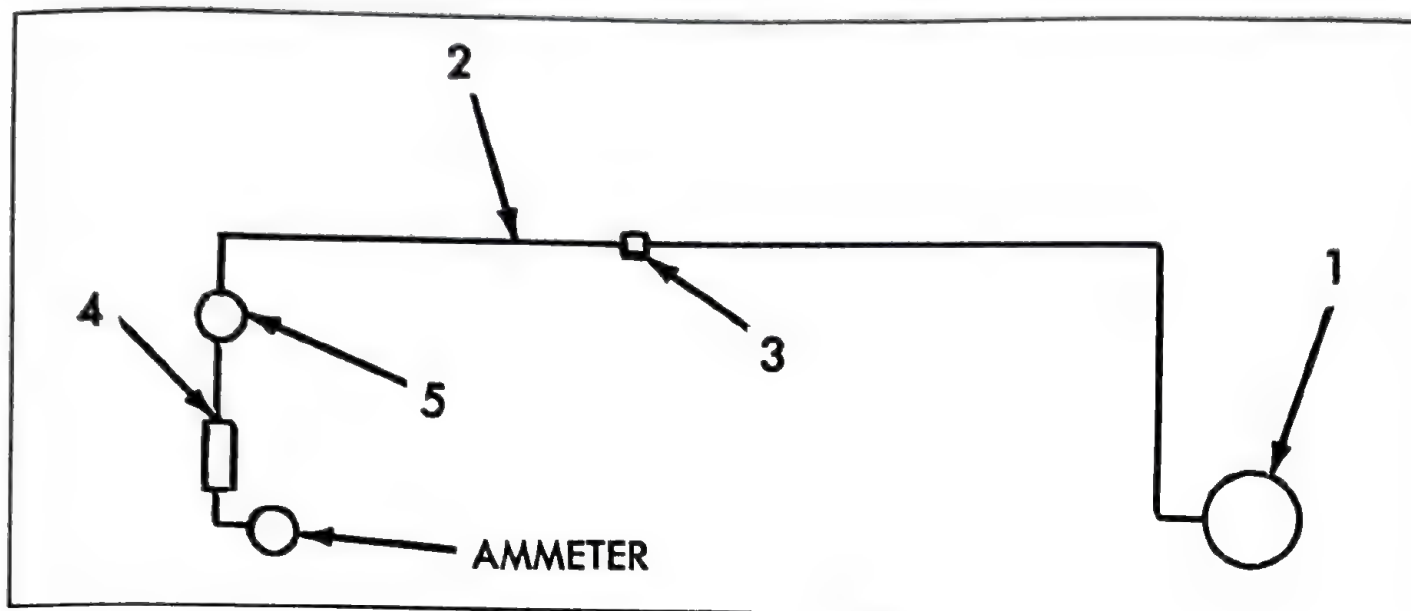
TAIL LIGHT

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4711789	1	LAMP ASSY., tail (See page 180 for components)	
	4720057	1	BRACKET, mounting	
	917176	1	CAPSCREW	
	904206	1	LOCKWASHER	
2	4715026	1	WIRE, tail lamp	
	4715037	1	LOOM	
3	4724667	1	TERMINAL, wire (to connector)	
4	4200030	4	TERMINAL, wire (To instrument panel)	
5	4250885	1	CLAMP, wire	
	905657	1	CAPSCREW	
	910880	1	NUT	
	904204	1	LOCKWASHER	
6	4726324	1	FUSE, 30-amp.	
	4724728	1	HOLDER	
7	4724733	1	SWITCH, panel	
	4727352	1	PLATE, mounting	
8	4736044	1	CONNECTOR (2-wire)	



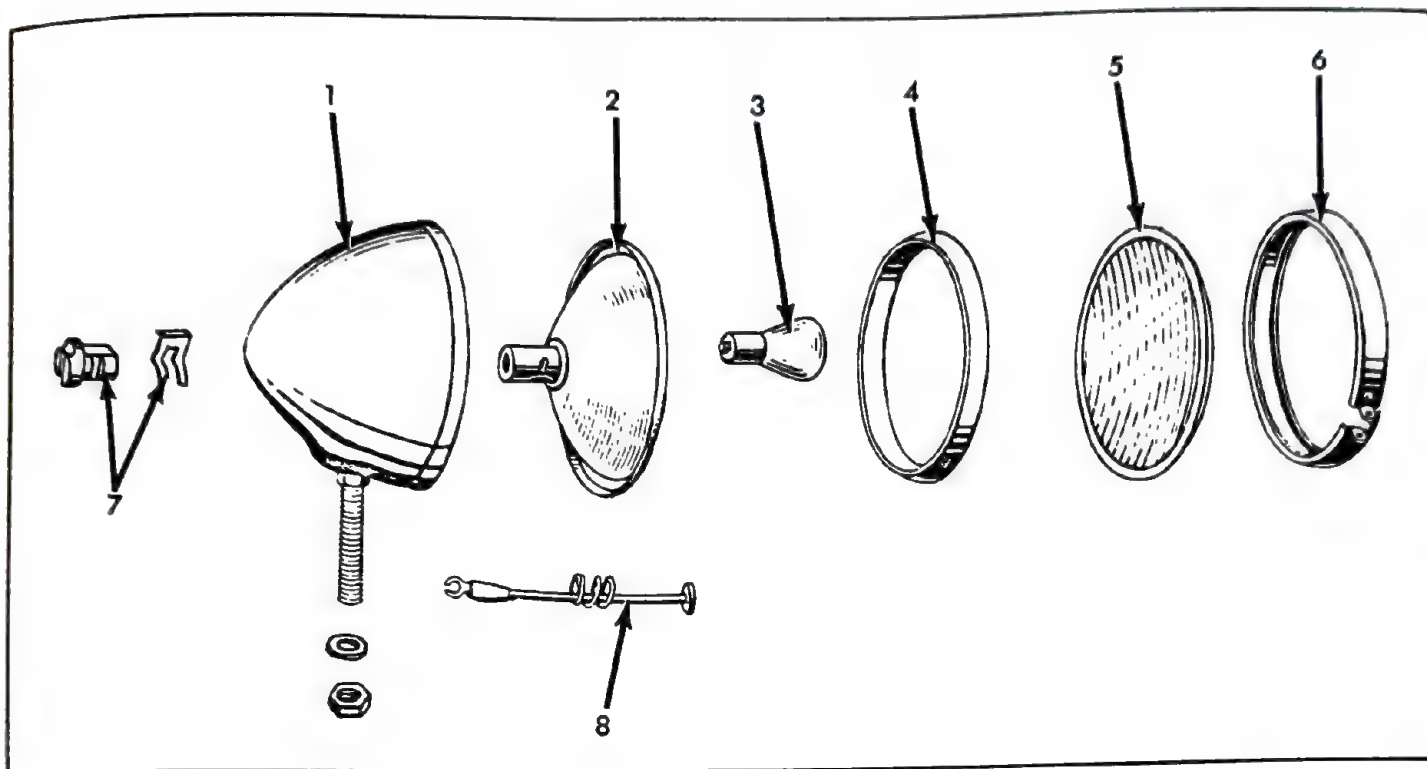
STOP LIGHT

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4711789	1	LAMP ASSY., (See page 180 for components)	
	4726898	1	BRACKET	
	917176	1	CAPSCREW	
	904206	2	LOCKWASHER	
2	4736044	3	CONNECTOR (2-Wire)	
3	4714998	1	WIRE	
	4724667	1	TERMINAL	
	4200030	1	TERMINAL	
4	4250885	4	CLAMP, wire	
	905657	1	CAPSCREW	
	910880	1	NUT	
	904204	1	LOCKWASHER	
5	4726629	1	SWITCH, panel	
	4981090	1	FITTING, outlet	



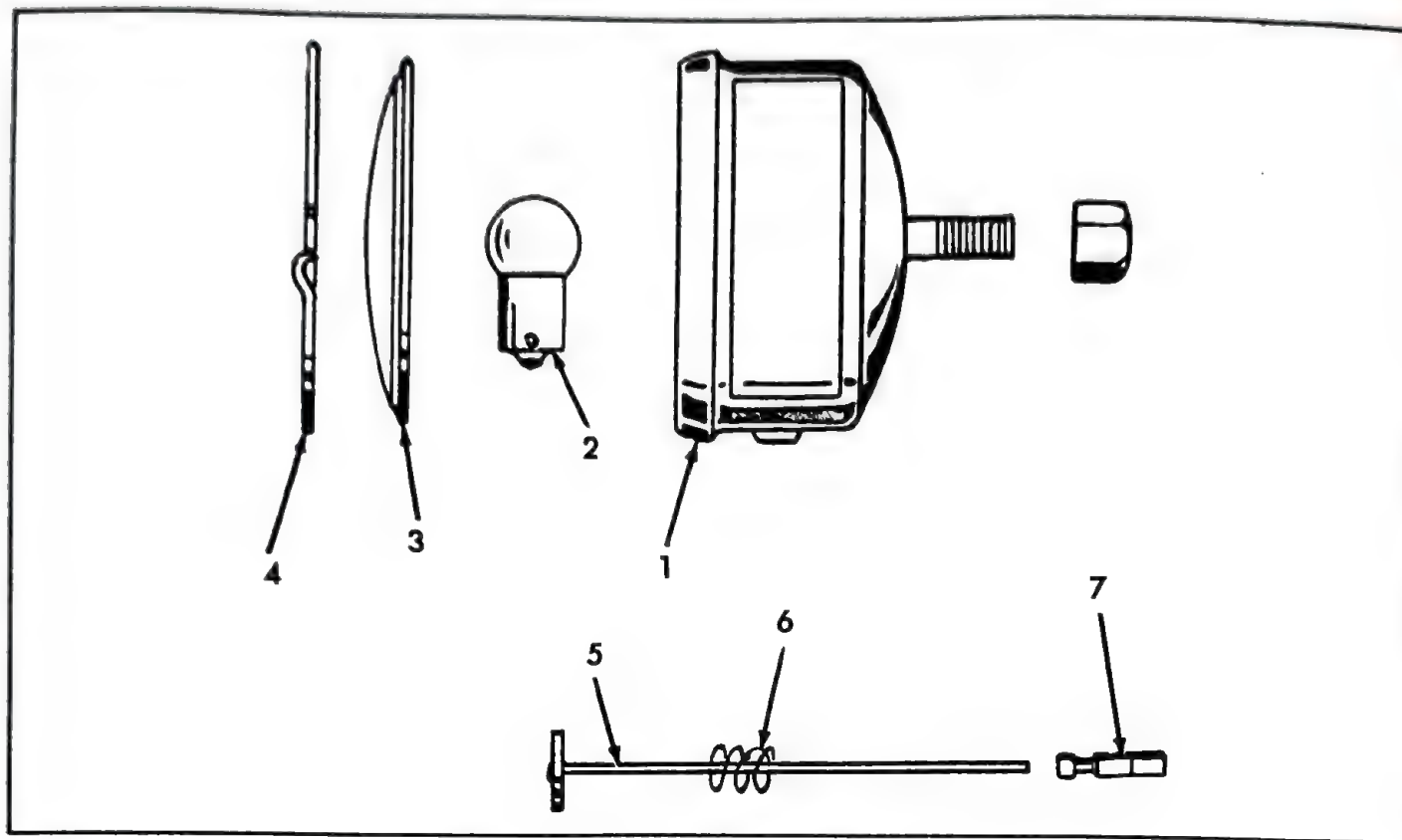
FLOODLIGHT

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4724874	1	LIGHT, head (Refer to page 179 for components)	
	4713870	1	BRACKET, mounting	
2	4714998	1	WIRE, floodlight	
	4200030	2	TERMINAL	
3	4250885	3	CLAMP, wire	
	905657	1	CAPSCREW	
	910880	1	NUT	
	904204	1	LOCKWASHER	
4	4726324	1	FUSE, 30-amp	
	4724728	1	HOLDER, fuse	
5	4724733	1	SWITCH	
	4727352	1	PLATE, switch	



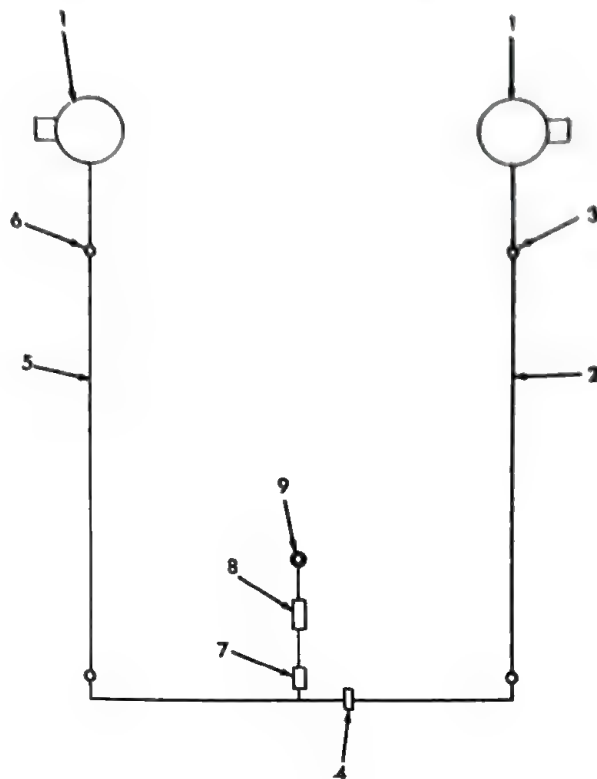
# HEADLIGHT AND FLOODLIGHT COMPONENTS

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
1	4724874	1	HEADLIGHT ASSY. (Incl. items 2 thru 8)	
	910325	1	NUT	
	904208	1	LOCKWASHER	
	4714968	1	SPACER	
2	4981136	1	REFLECTOR	
3	4103643	1	BULB, light	
4	4981137	1	LENS	
5	4981138	1	GASKET, lens	
6	4981139	1	MOLDING	
7	4981141	1	PLATE, terminal	
8	4981144	1	WIRE ASSY., (Incl. SPRING)	



TAIL LAMP COMPONENTS

ITEM	PART NUMBER	QTY.	DESCRIPTION	ASSEMBLY OR PACKAGE NO.
-	4711789	1	LAMP ASSY (Incl. items 2 thru 7)	
	910324	1	NUT	
1	4981145	1	SHELL, body	
2	4142303	1	BULB	
3	4981146	1	LENS (Red)	
	4702960	1	LENS (Clear)	
4	4981147	1	RING, lens retaining	
5	4981148	1	WIRE ASSY.	
6	4981149	1	SPRING, compression	
7	4727337	1	TERMINAL, wire	



# HEADLIGHT - OVERHEAD GUARD MOUNTED (Adjustable)

\* Single Headlight  
\*\* Dual Headlight

ITEM	PART NUMBER	QTY.		DESCRIPTION	ASSEMBLY OR PACKAGE NO.
		*	**		
1	4700734	1	2	HEADLIGHT	
	4724667	1	1	TERMINAL, wire (headlight)	
	4744279	1	2	BRACKET	
	903629	2	4	CAPSCREW	
	910308	2	4	NUT	
	904206	2	4	LOCKWASHER	
2	4736998	1	1	WIRE, headlight (72")	
3	917566	3	3	GROMMET	
4	4736051	1	1	CLIP, wire	
	903625	1	1	CAPSCREW, clip	
	910880	1	1	NUT	
	904204	1	1	LOCKWASHER	
5	4737004	-	1	WIRE, headlight (60")	
6	917566	-	3	GROMMET	
7	4736044	1	-	CONNECTOR (2 wire)	
	4724666	-	1	CONNECTOR (3 wire)	
8	4726324	1	1	FUSE, 30 ampere	
	4736979	1	1	HOLDER, fuse (28")	
9	4013699	1	1	SWITCH, light	
	4727352	1	1	PLATE, switch	On instrument
	4736182	1	1	WIRE, jumper	panel

# ASSEMBLIES & PACKAGED PARTS

ASSEMBLY OR  
PACKAGE NO.

## DESCRIPTION

4726665	HORN KIT, steering wheel	
	1	4981189 BUTTON, horn
	1	4981190 COVER
	1	4981074 CUP, contact
	1	4981075 SPRING, button
	1	4981076 CAP, contact
	1	4981077 FERRULE, cable
	3	4981079 SCREW, base plate
	1	4981078 PLATE, base
	1	4981080 SPRING, contact
	1	4981081 WASHER, contact
4981393	BRAKE KIT, drive wheel	
	1	4984307 SHOE, brake (reverse)
	1	4981394 LINING, reverse brake shoe
	1	4984309 SHOE, brake (forward)
	1	4984258 LINING, forward brake shoe
	18	4984308 RIVET
4983972	GASKET SET, engine (Incl. the following 19 items):	
	1	4984727 GASKET, base
	2	4984863 WASHER, copper
	1	4984728 GASKET, valve door
	1	4984822 GASKET, cylinder head
	2	4984746 GASKET, housing
	2	4984858 GASKET, relief valve
	1	4983998 GASKET, oil pan
	1	4983999 GASKET, gauge tube
	1	4984735 GASKET, retainer, bearing
	1	4984720 GASKET, gear cover
	1	4984721 GASKET, plate (adaptor)
	1	4984734 GASKET, cover (oil pump)
	1	4983997 GASKET, manifold
	1	4983995 GASKET, w/pump cover
	2	4983996 GASKET, housing, spacer
	1	4984871 WASHER, cork, shaft (oil seal)
	1	4984751 GASKET, inlet pipe
	1	4734142 GASKET, fuel pump
	1	4735768 GASKET, carburetor
4044095	PUMP KIT, fuel	
	2	4044094 VALVE ASSY
	2	4044075 GASKET
	1	4044203 DIAPHRAGM ASSY
	1	4042321 SPRING
	1	4042315 LINK
	1	4044105 PIN
	1	4040567 WASHER
	1	4042319 SPRING
	1	4040559 SCREW
	1	4734142 GASKET
	1	4047296 GASKET
4984300	CYLINDER KIT, wheel	
	1	4984295 BOOT
	1	4984297 CUP, piston
4984406	CYLINDER KIT, master	
	1	4984141 VALVE, check
	1	4984152 CUP, piston (Primary)
	1	4094409 PISTON ASSY
	1	4984156 LOCKWIRE
	1	4984157 BOOT



# ASSEMBLIES & PACKAGED PARTS

ASSEMBLY OR  
PACKAGE NO.

DESCRIPTION

4045422

GASKET SET, carburetor (Incl. the following):

1	4045424	GASKET
1	4045421	GASKET
1	4045423	GASKET
1	4045421	GASKET

4045457

PARTS KIT, carburetor (Incl. the following):

1	4045416	SHAFT ASSY
1	4045425	SPRING
2	4045420	SCREW
1	4045424	GASKET
1	4045439	NUT
1	4045421	GASKET
1	4045434	NEEDLE
1	4045427	SPRING
1	4045433	SHAFT
1	4045423	GASKET
1	4047128	VALVE & SEAT ASSY
1	4045421	GASKET
2	4046823	SCREW

4045458

PARTS KIT, carburetor (Incl. same parts as 4045457 except the following):

1	4045440	NUT
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4045459

PARTS KIT, carburetor (Incl. the following):

1	4045717	SHAFT & LEVER ASSY
2	4045444	BUSHING
1	4045437	PACKING
1	4045442	RETAINER
2	4045420	SCREW
1	4045424	GASKET
1	4045440	NUT
1	4045421	GASKET
1	4045434	NEEDLE
1	4045427	SPRING
1	4045433	SHAFT
1	4045423	GASKET
1	4047128	VALVE & SEAT ASSY
1	4045421	GASKET
2	4046823	SCREW

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